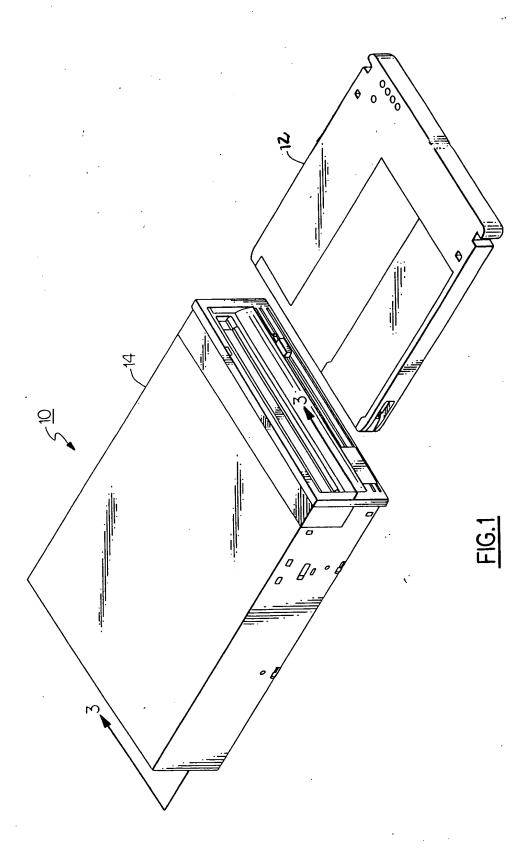
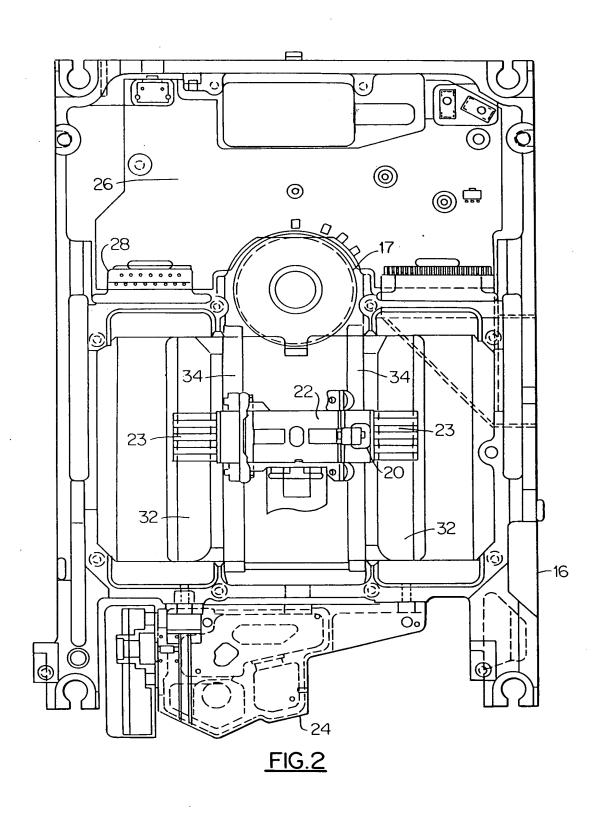
6741529

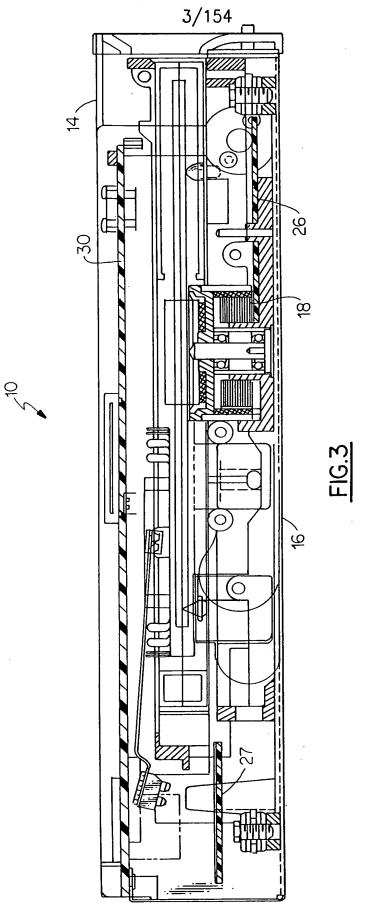
Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI



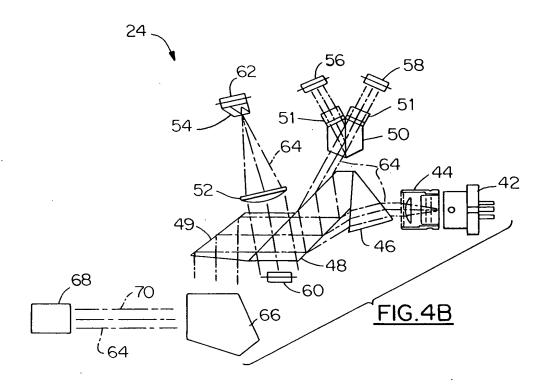
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

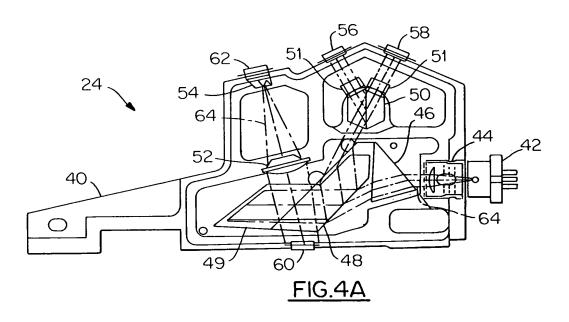


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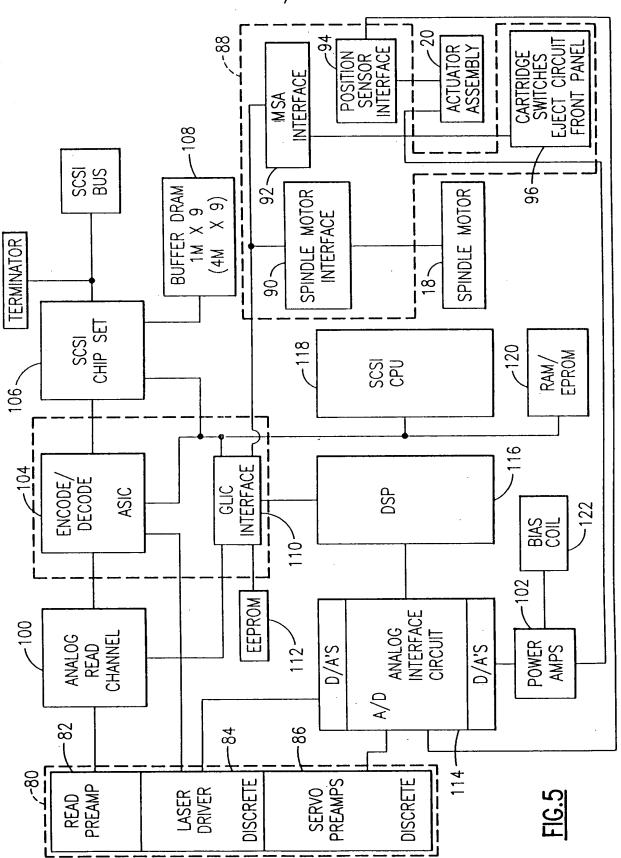
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

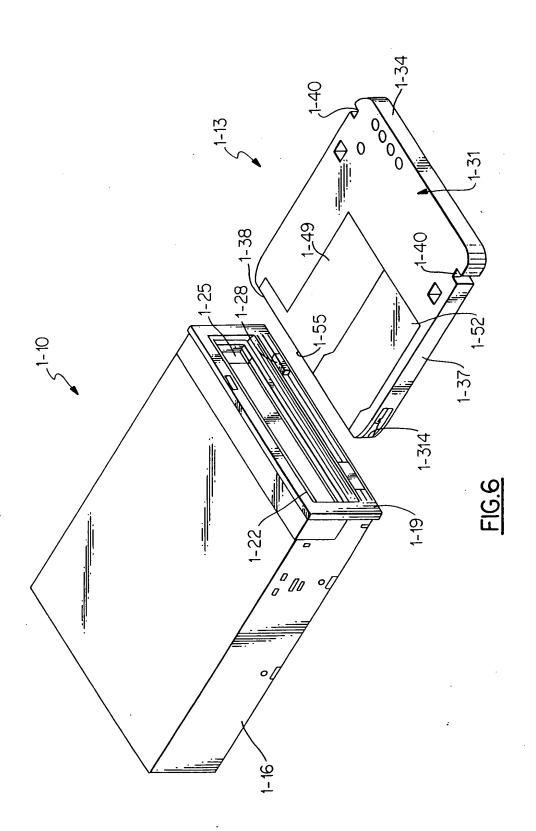




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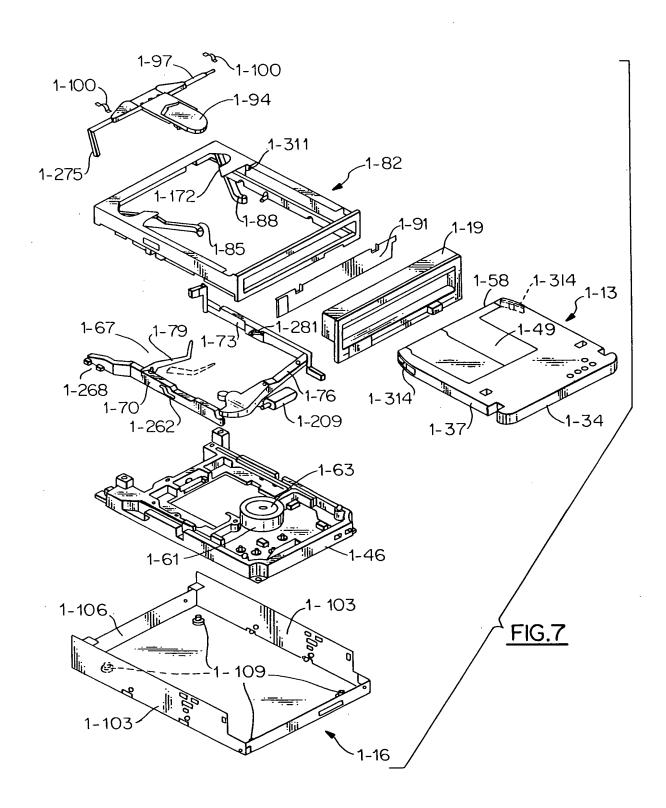


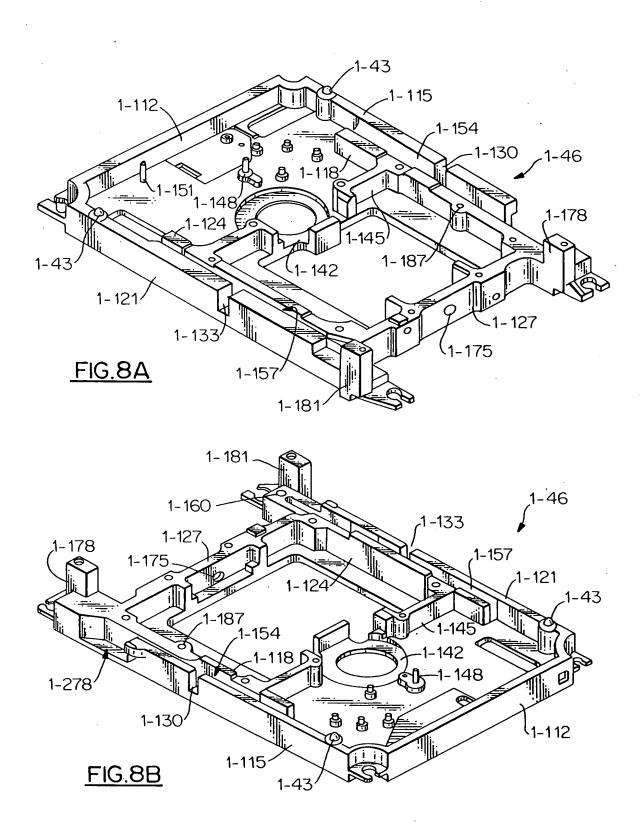




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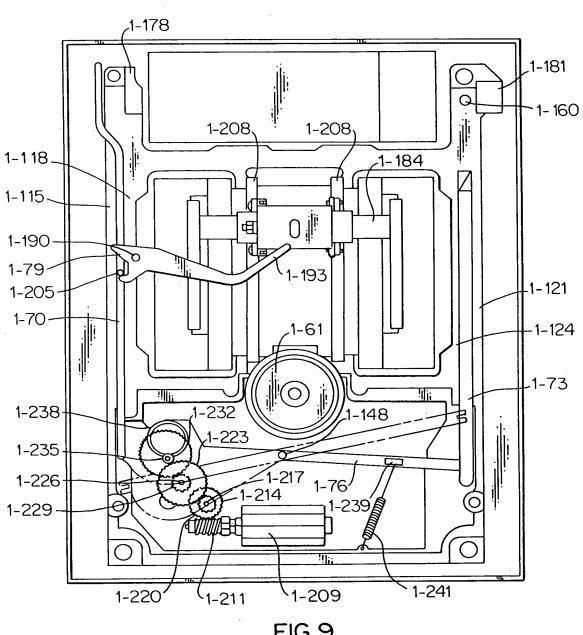
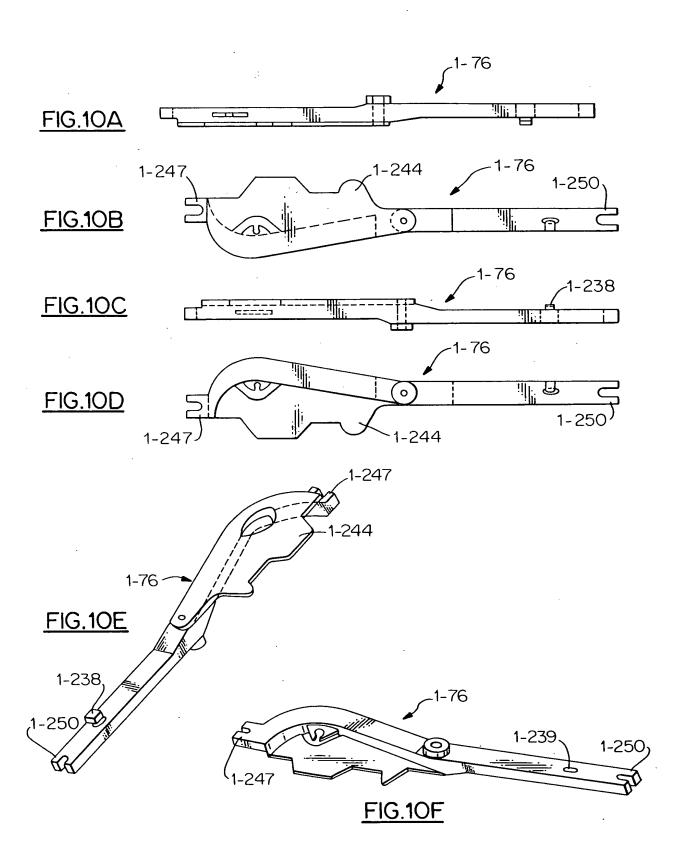
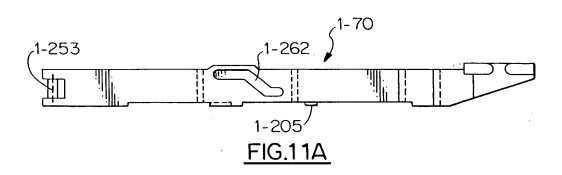


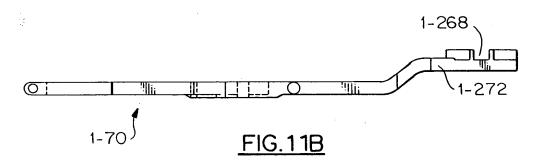
FIG.9

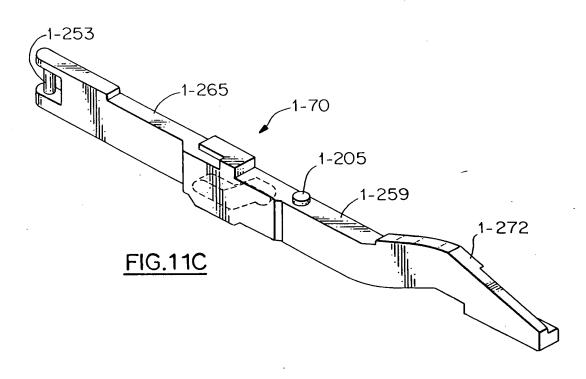
Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
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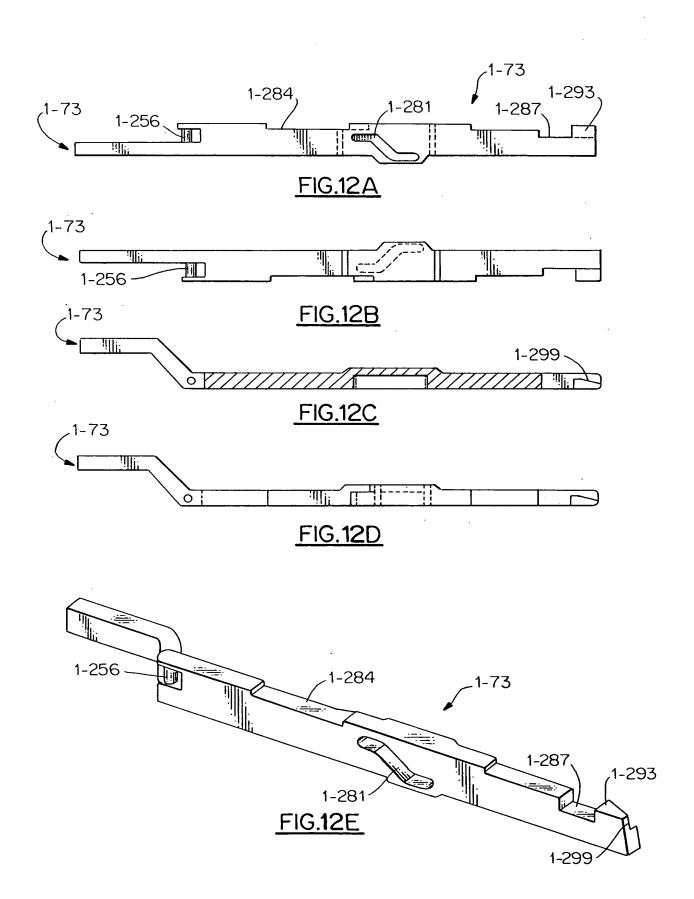






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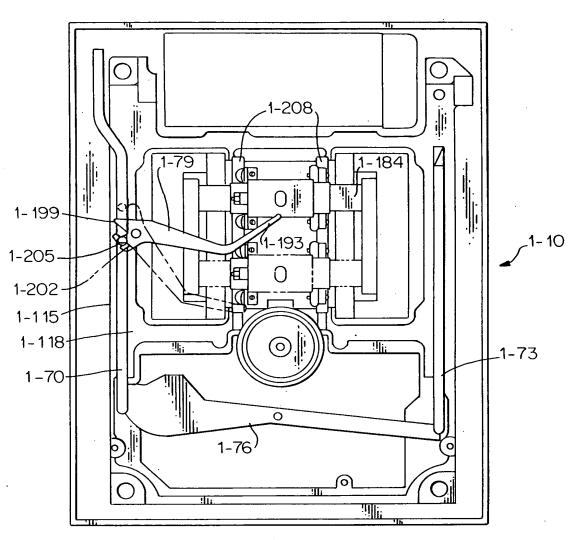
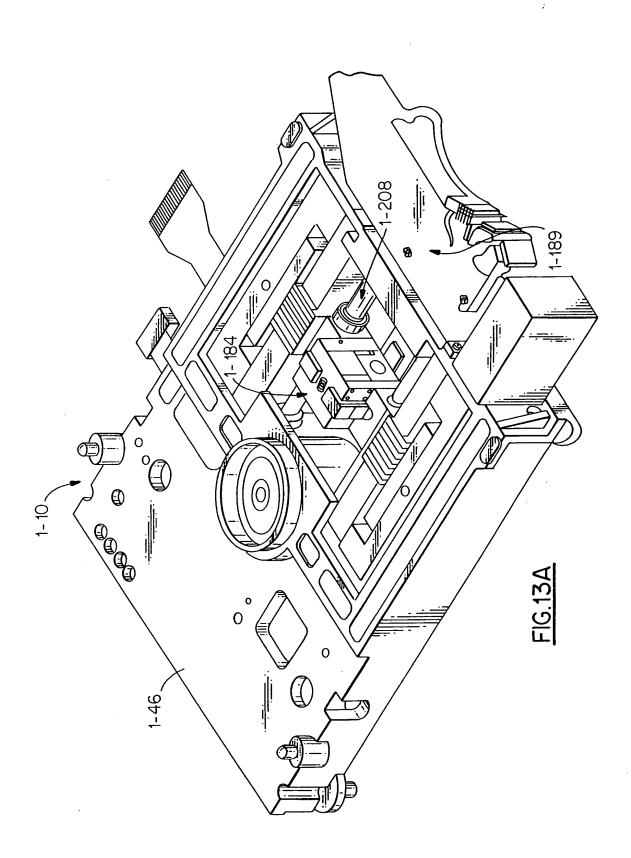
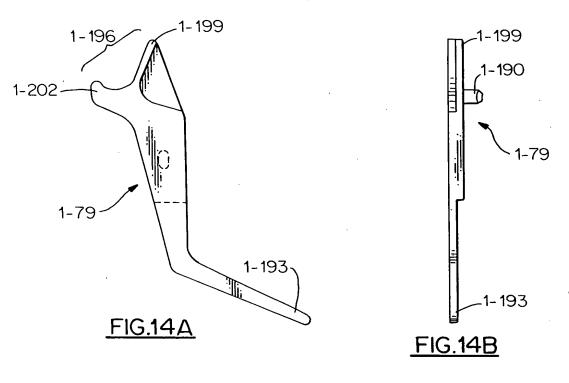
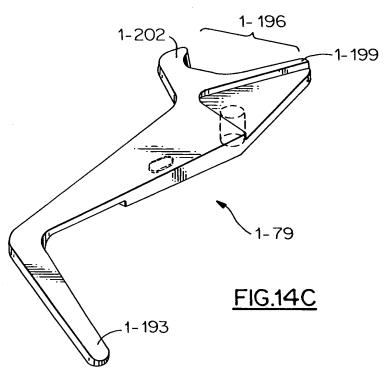
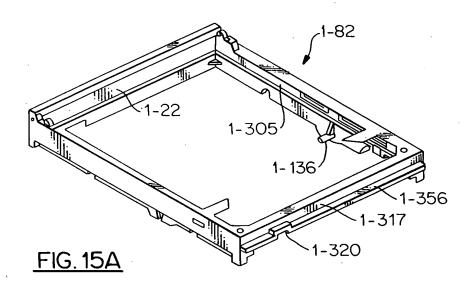


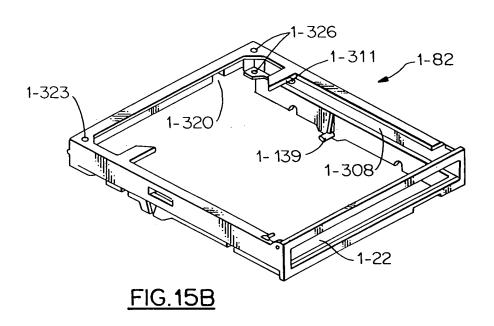
FIG.13

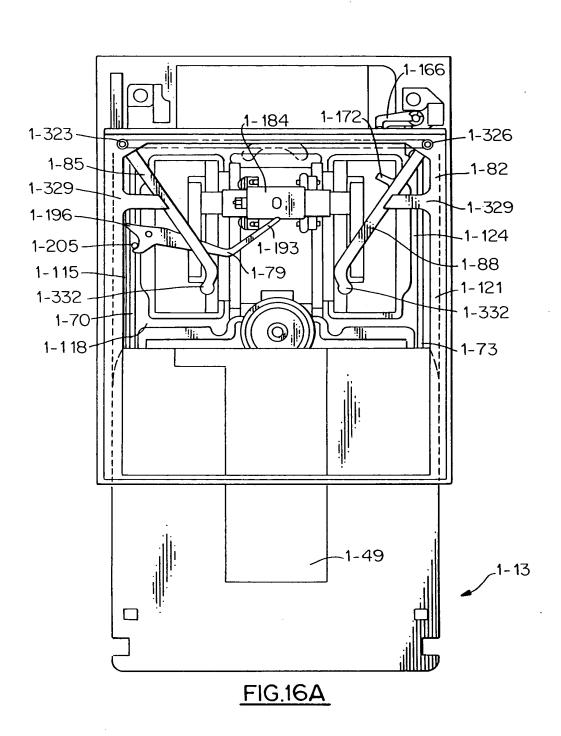












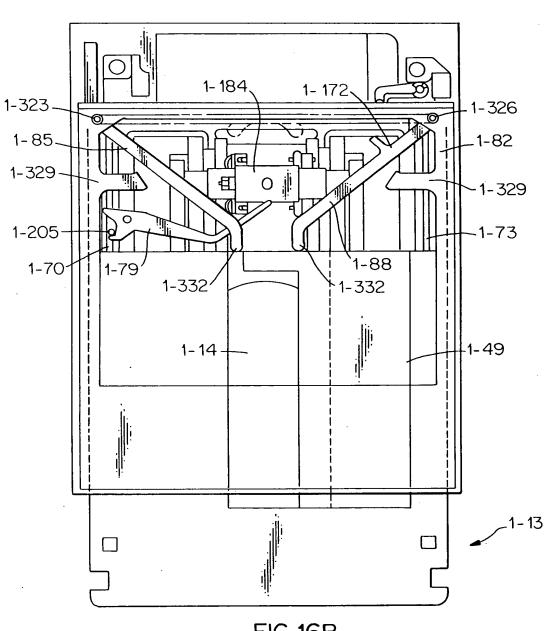
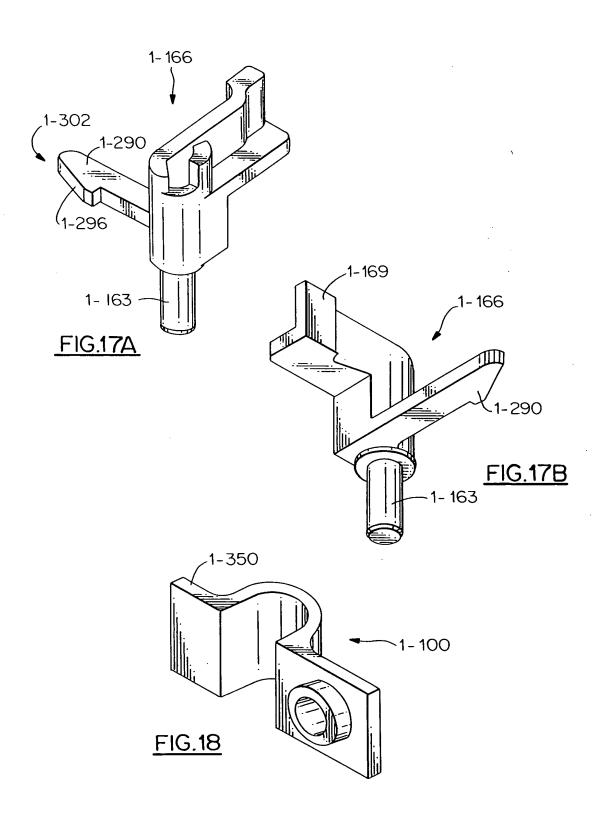
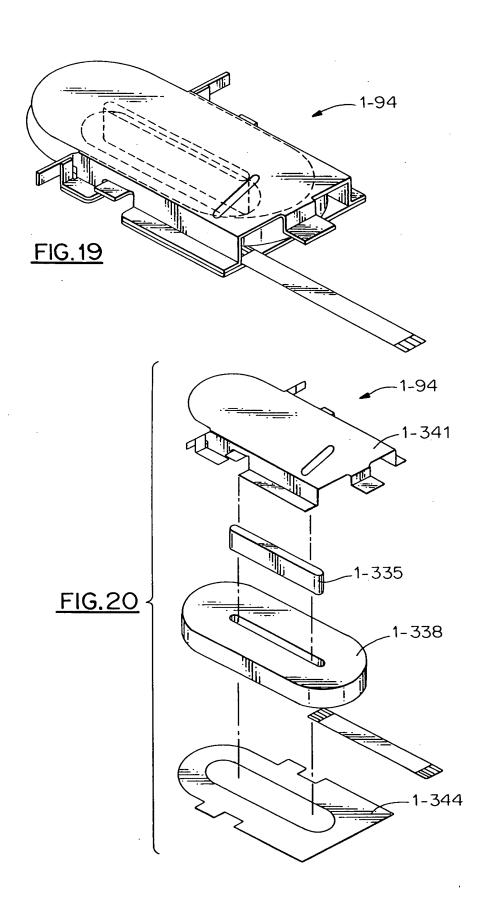
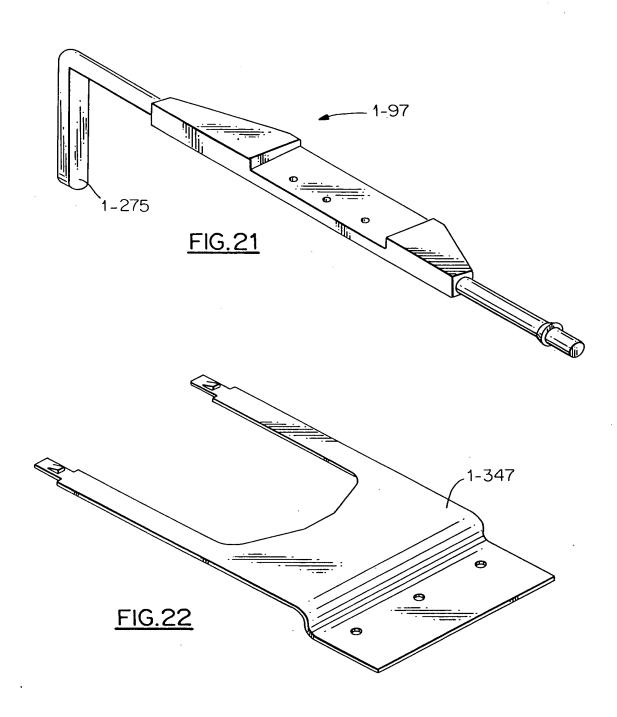
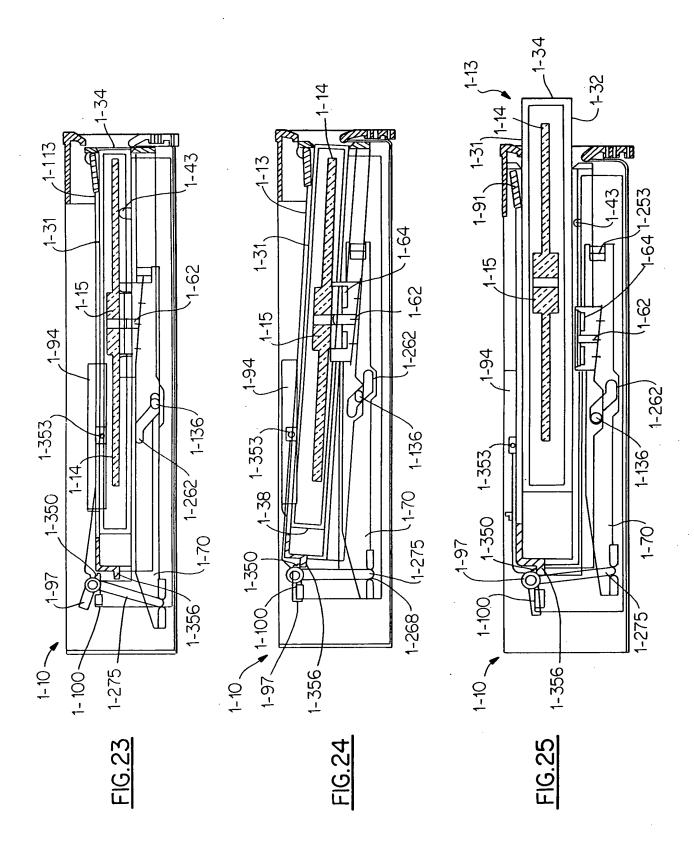


FIG. 16B



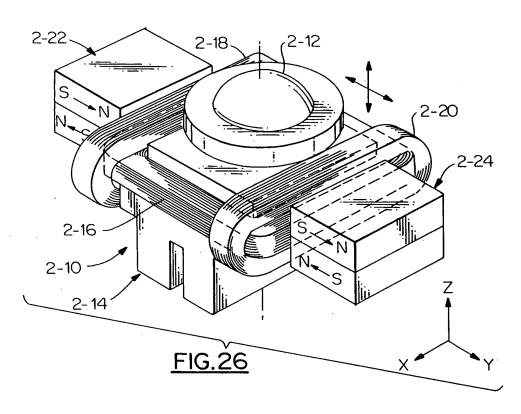


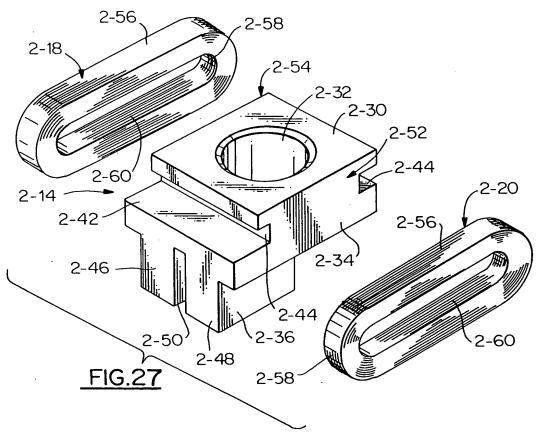


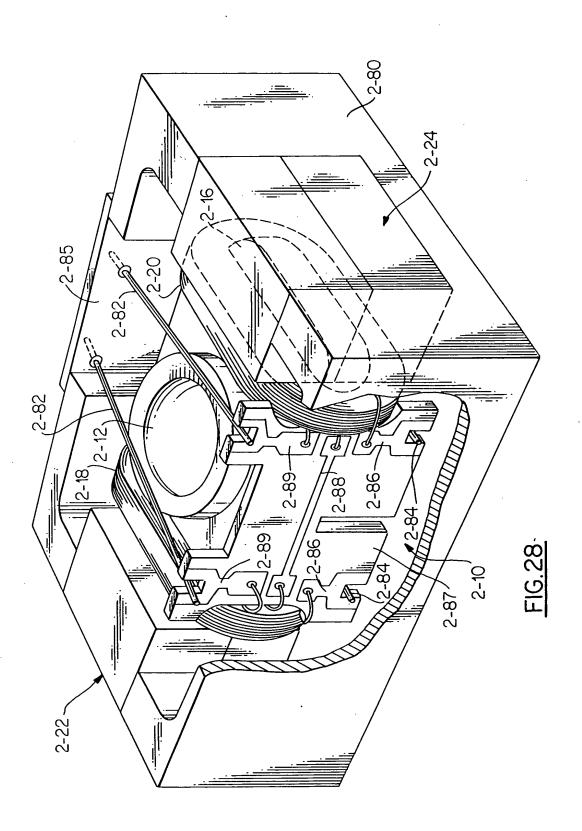


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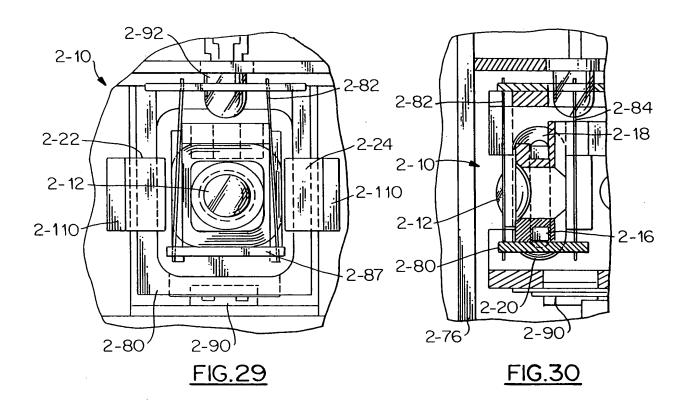


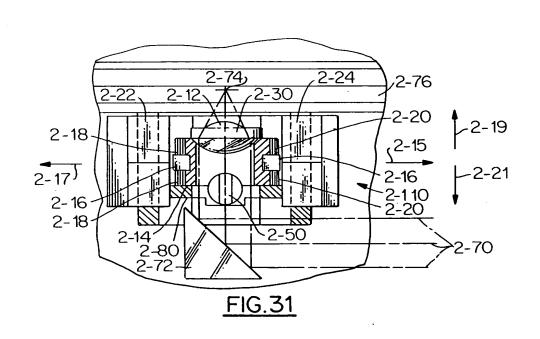




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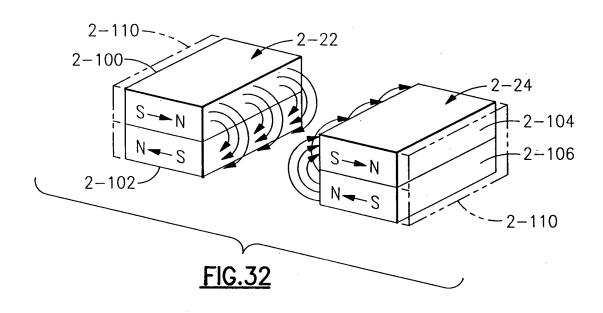


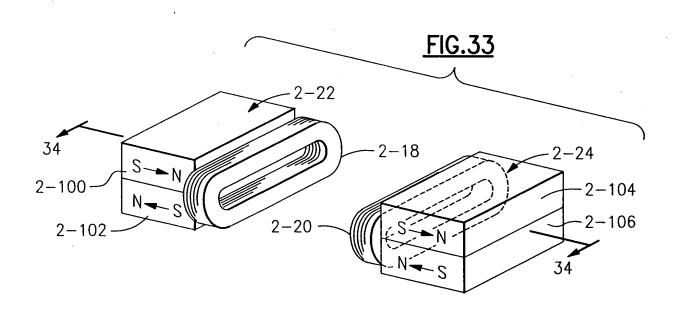


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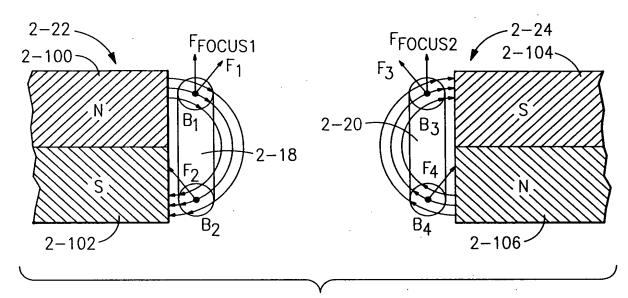


FIG.34

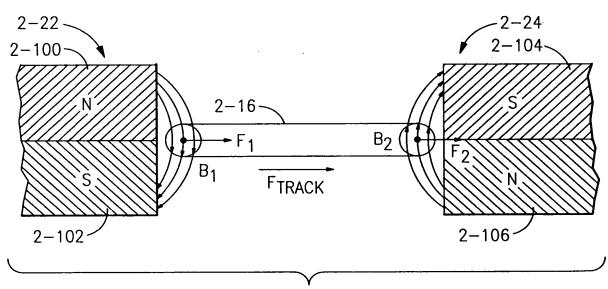
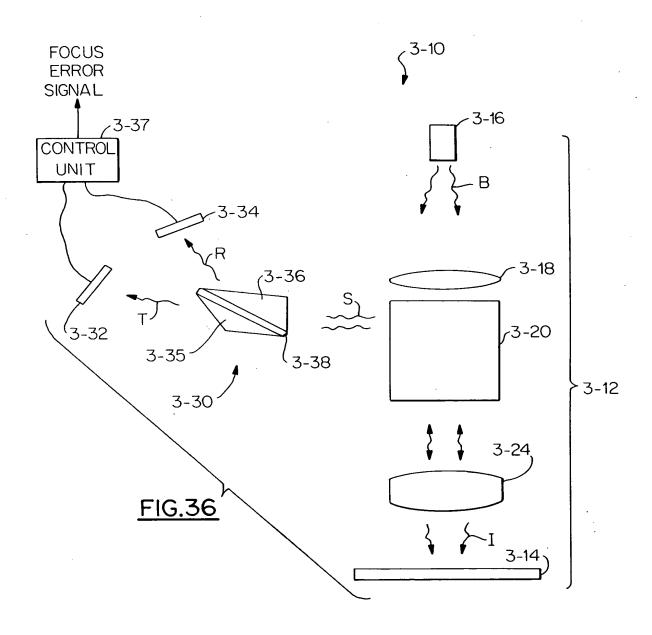
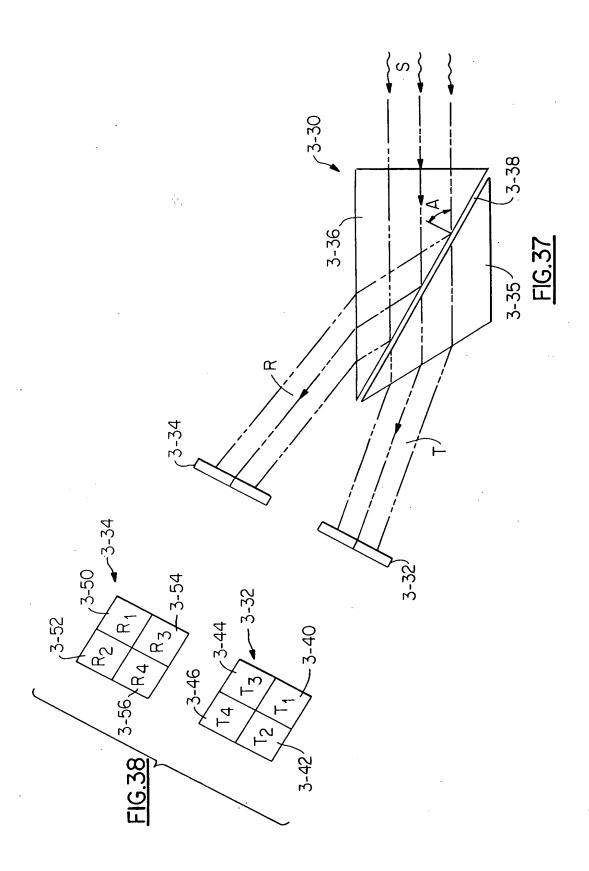


FIG.35

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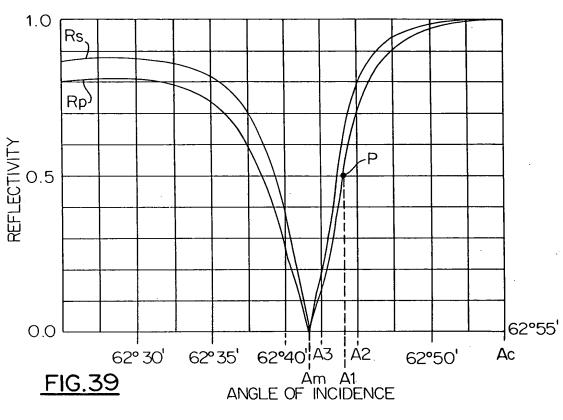


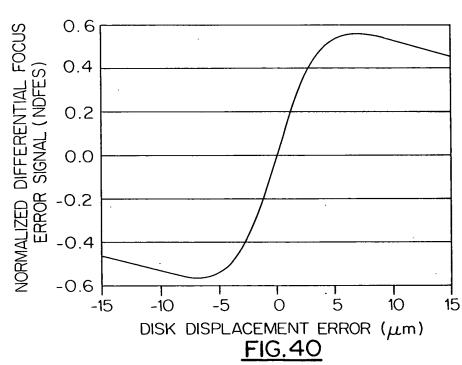
Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

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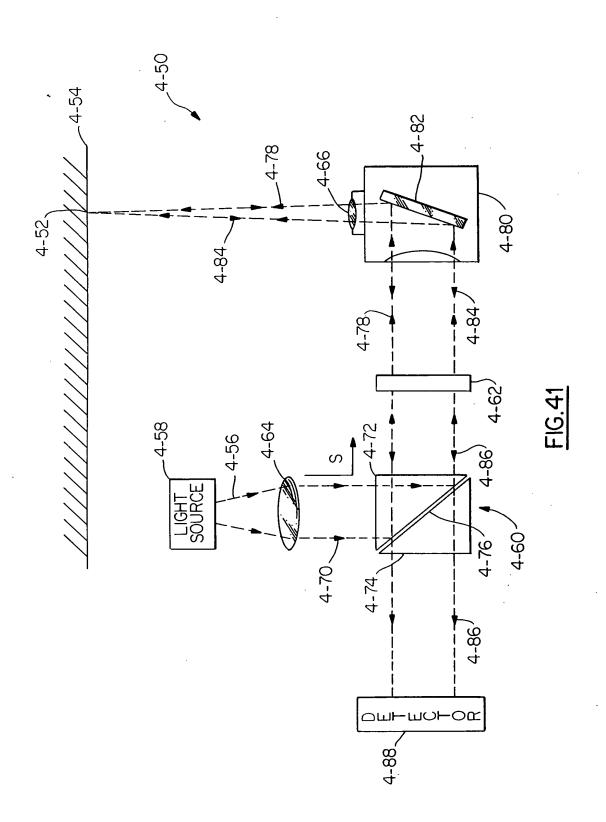
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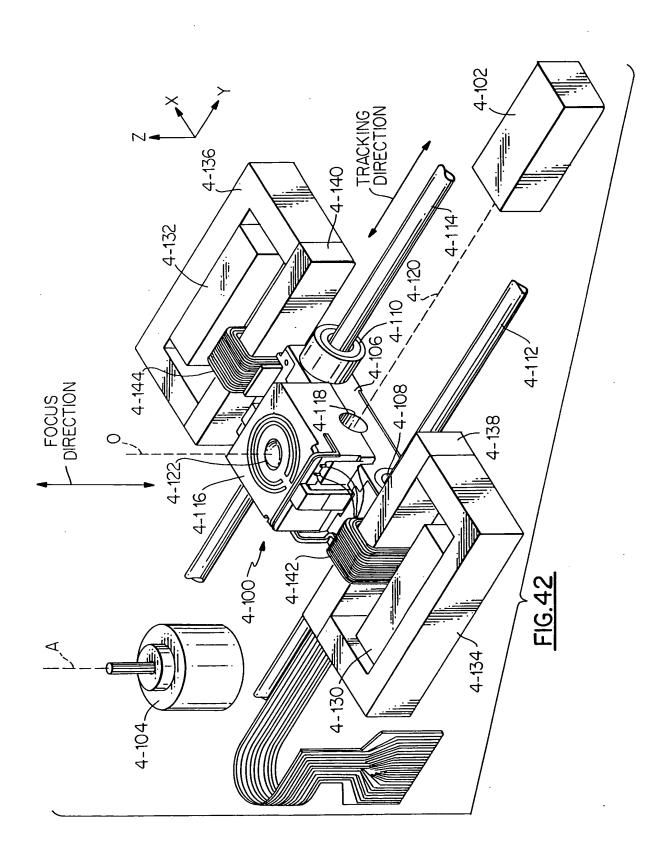




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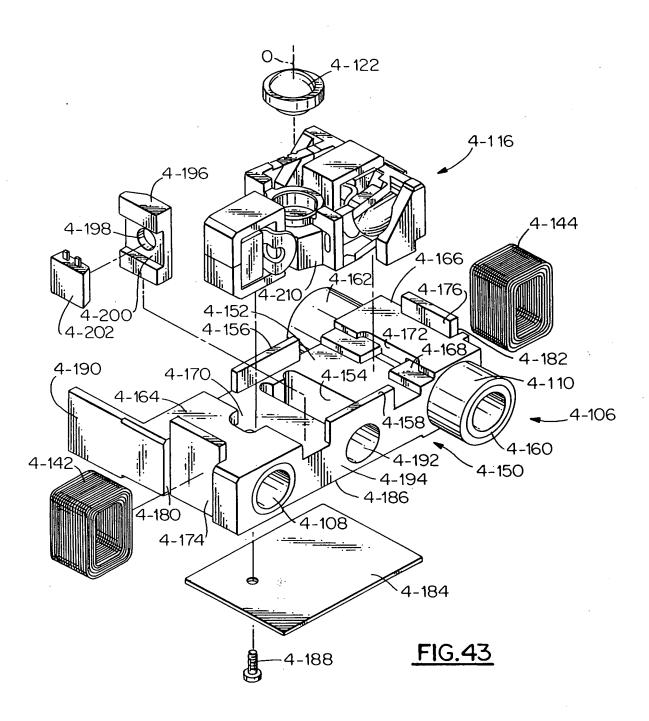
Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

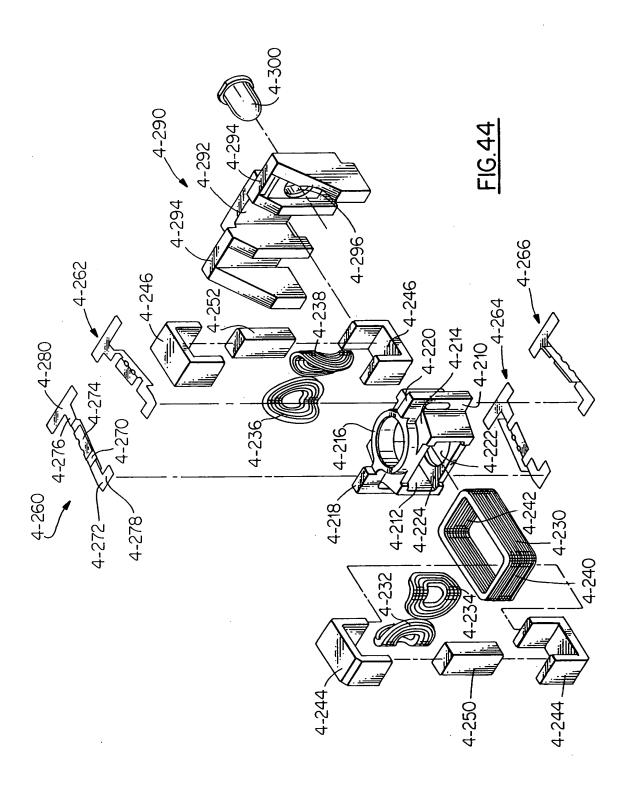


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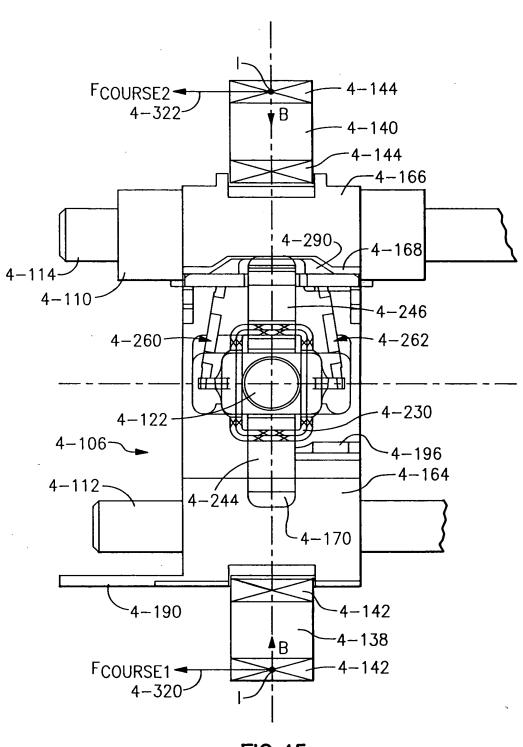
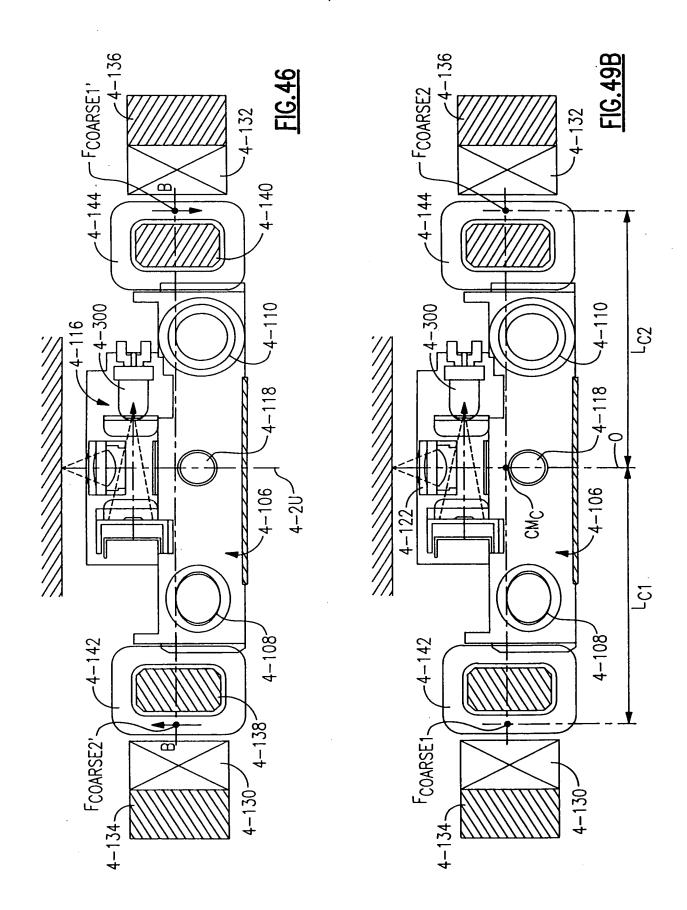
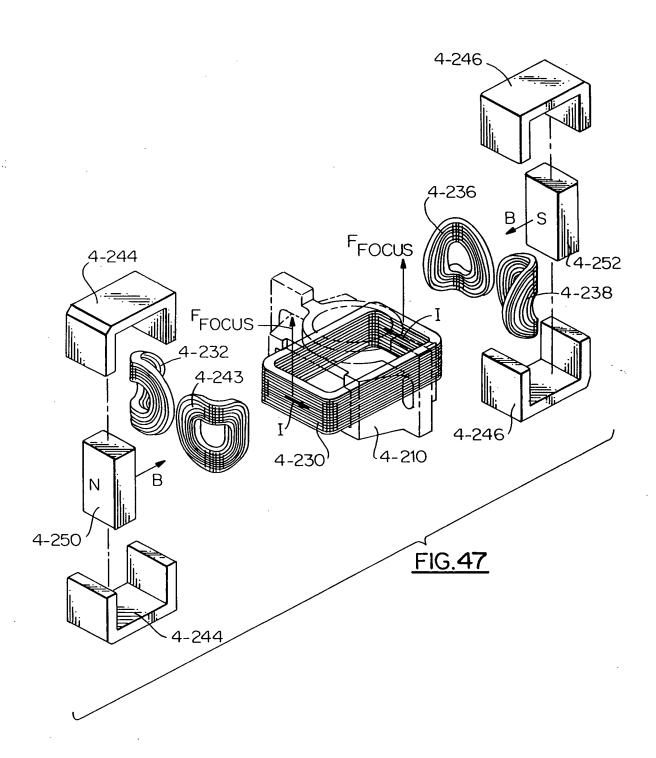


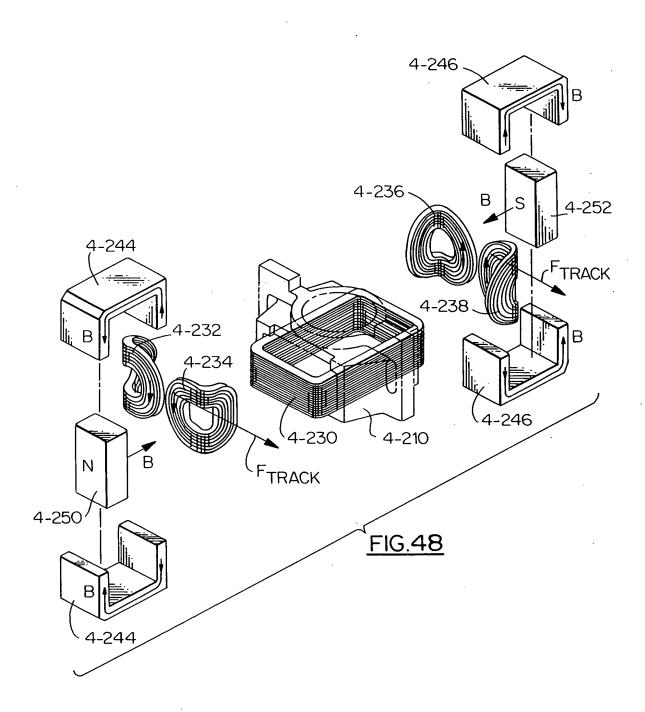
FIG.45



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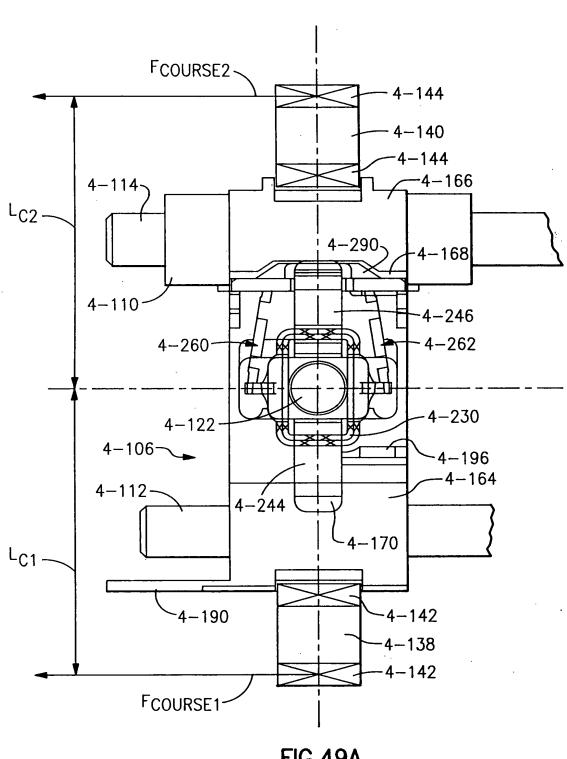
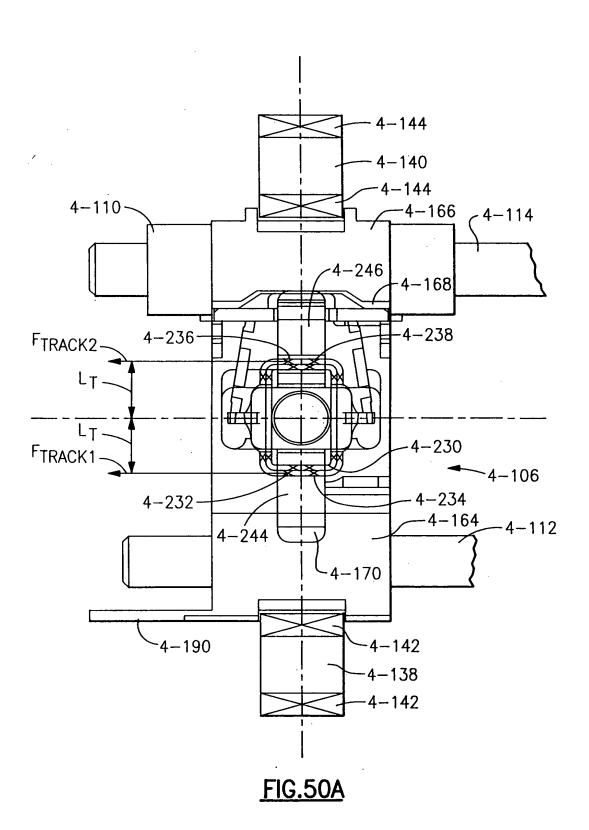


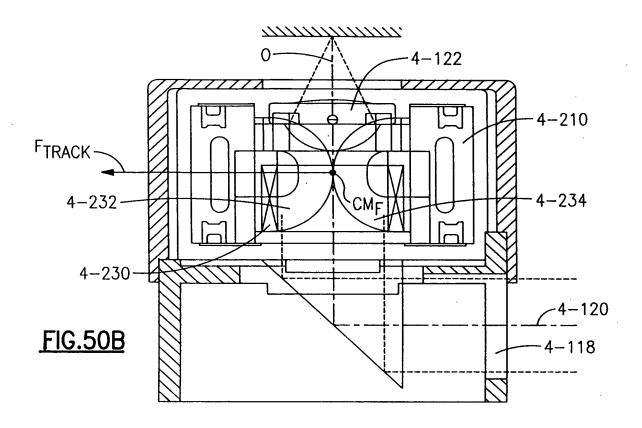
FIG.49A

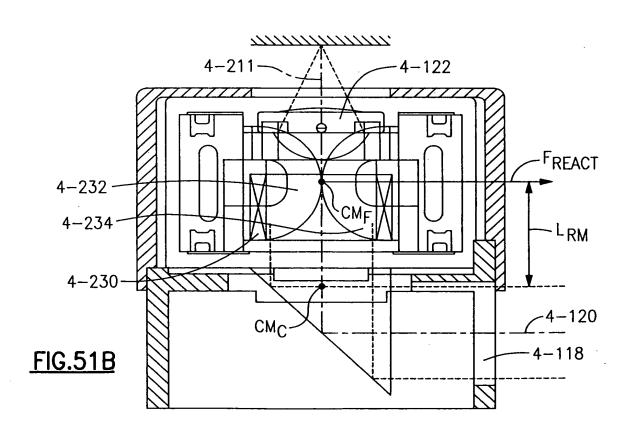


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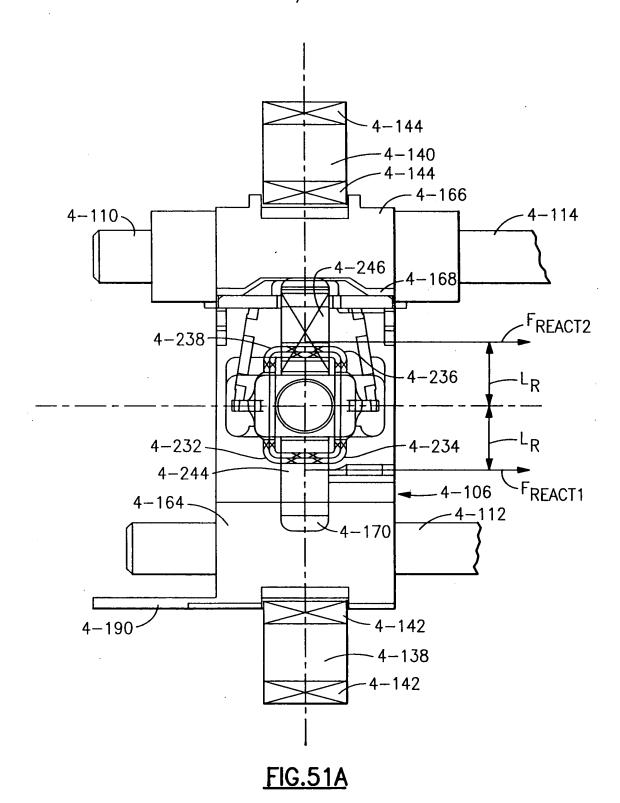
41/154

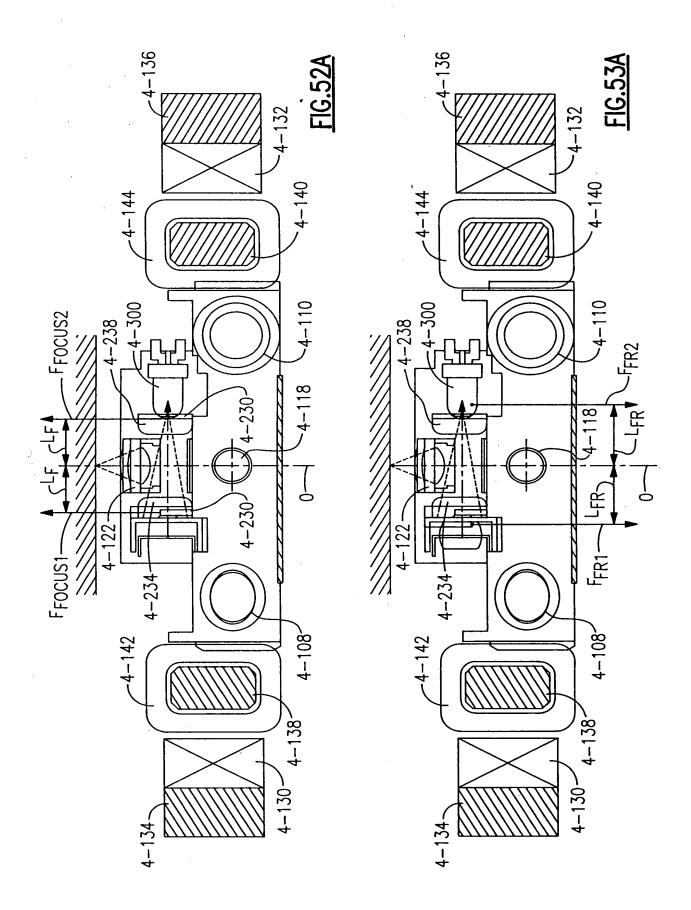




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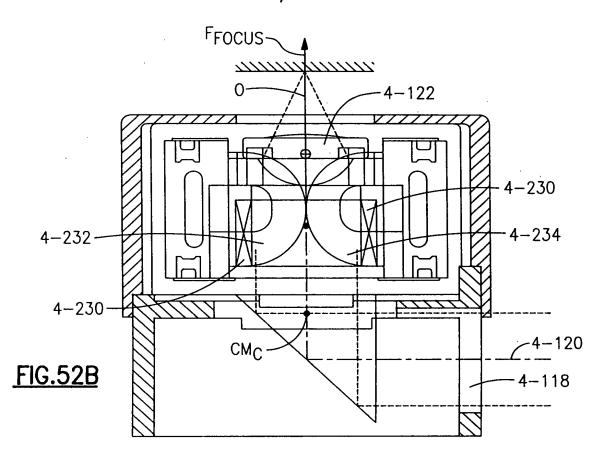
42/154

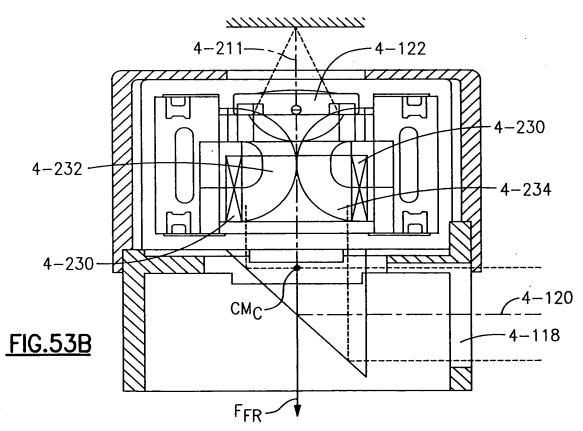




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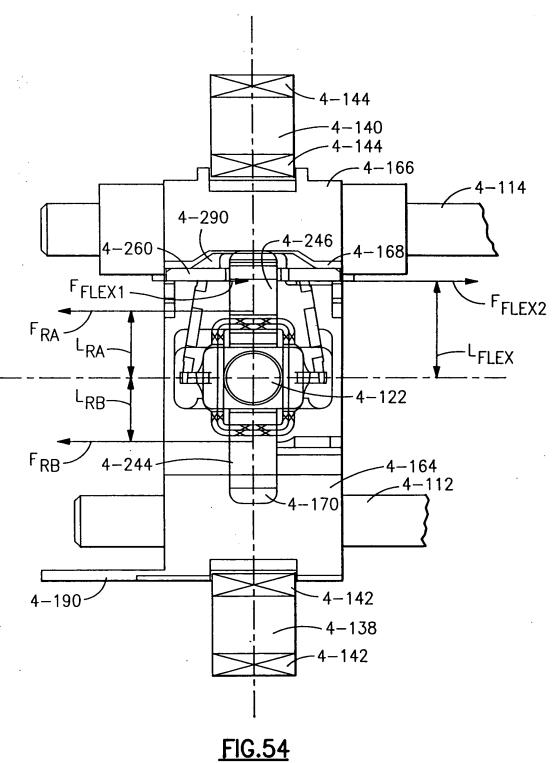




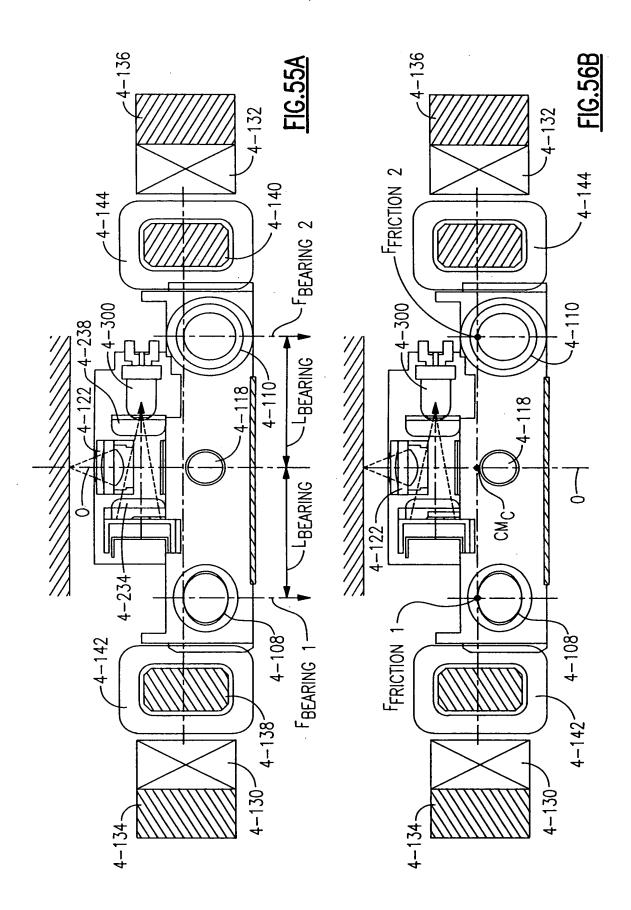
Applicant: Kurt W. Getreuer

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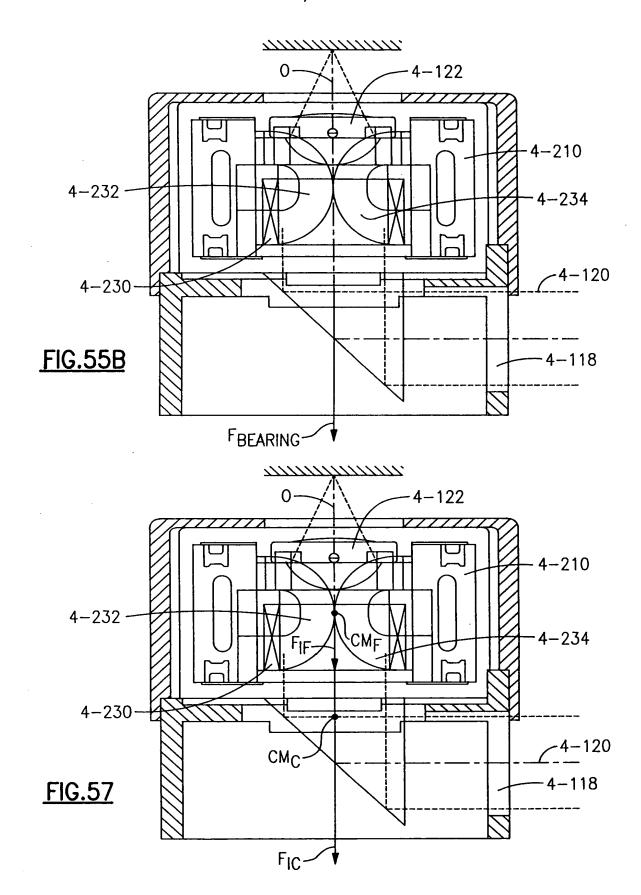


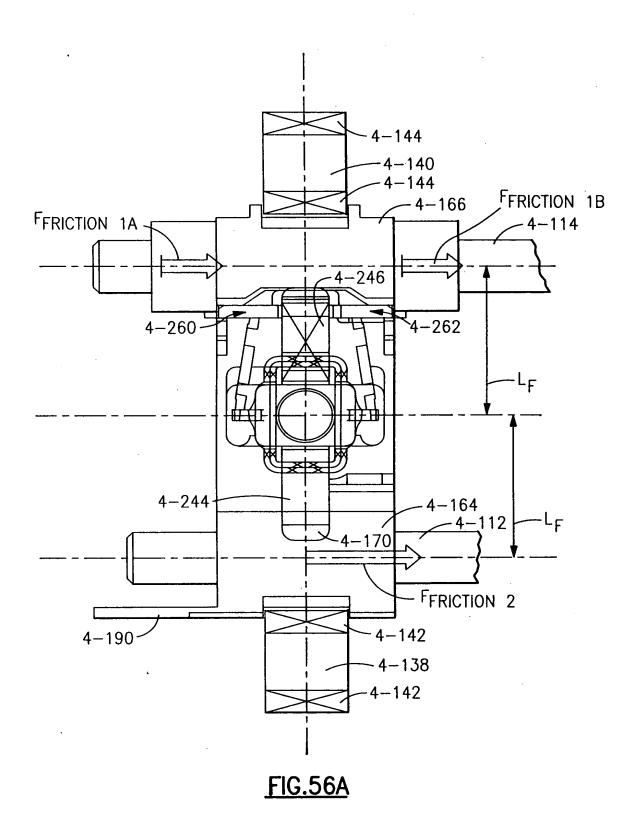
Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

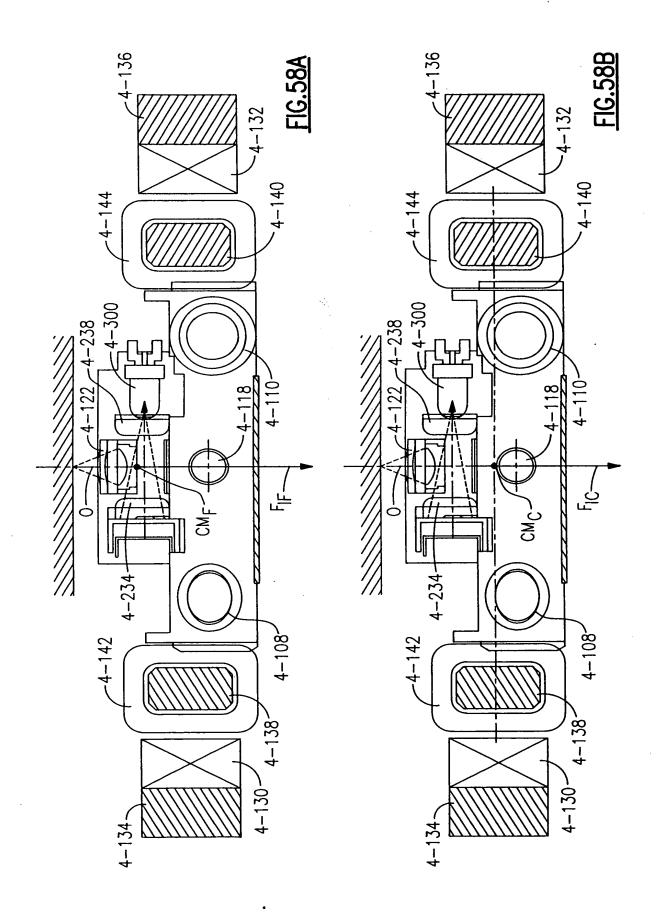


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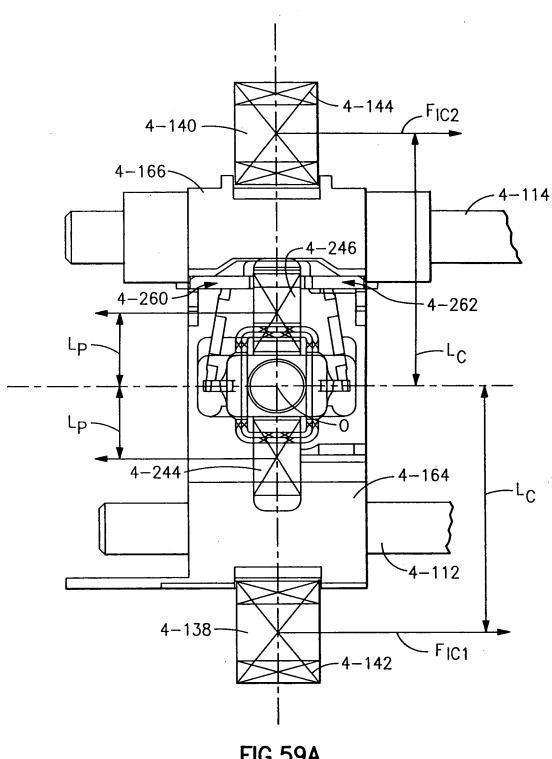
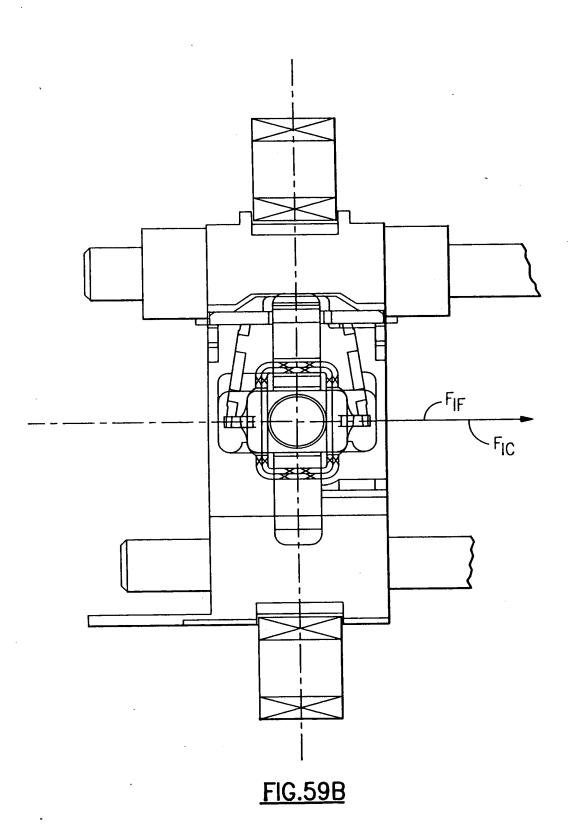
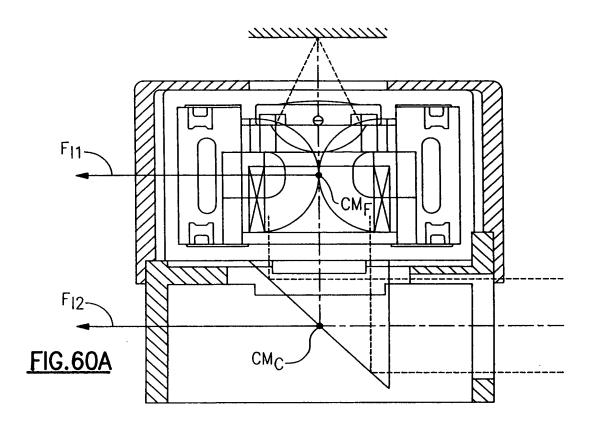


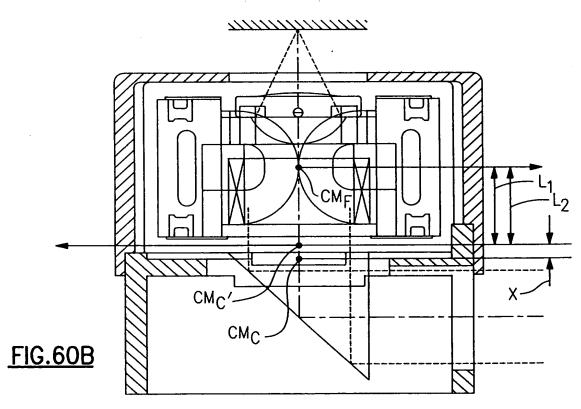
FIG.59A

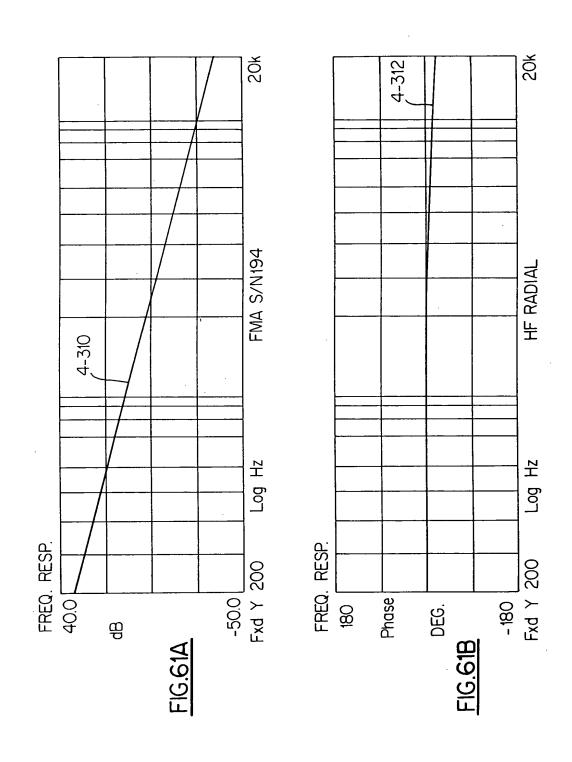


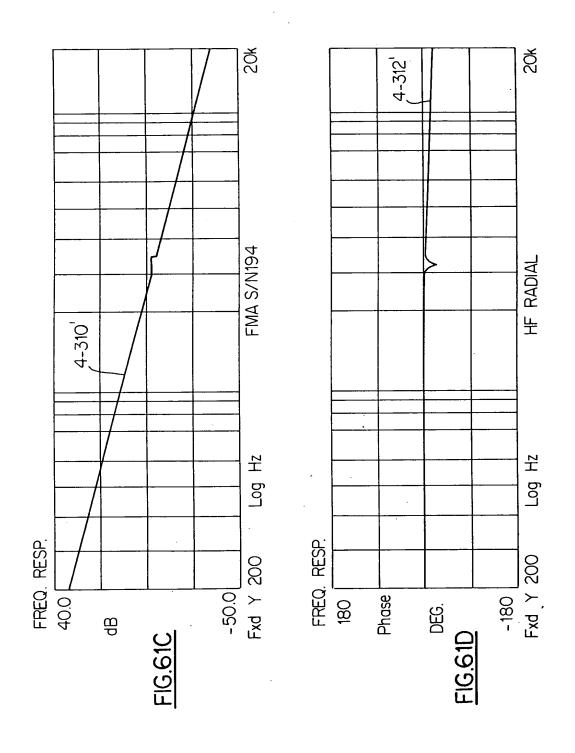
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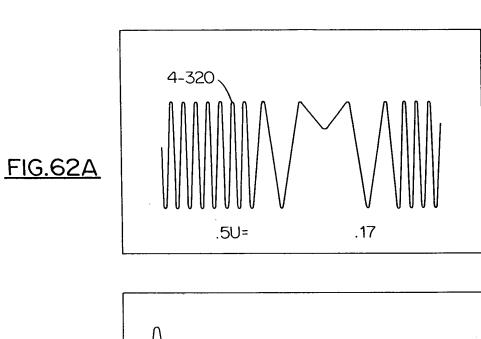


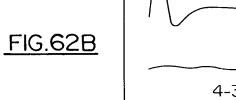


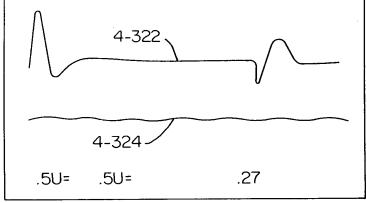


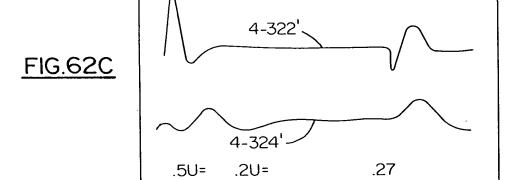


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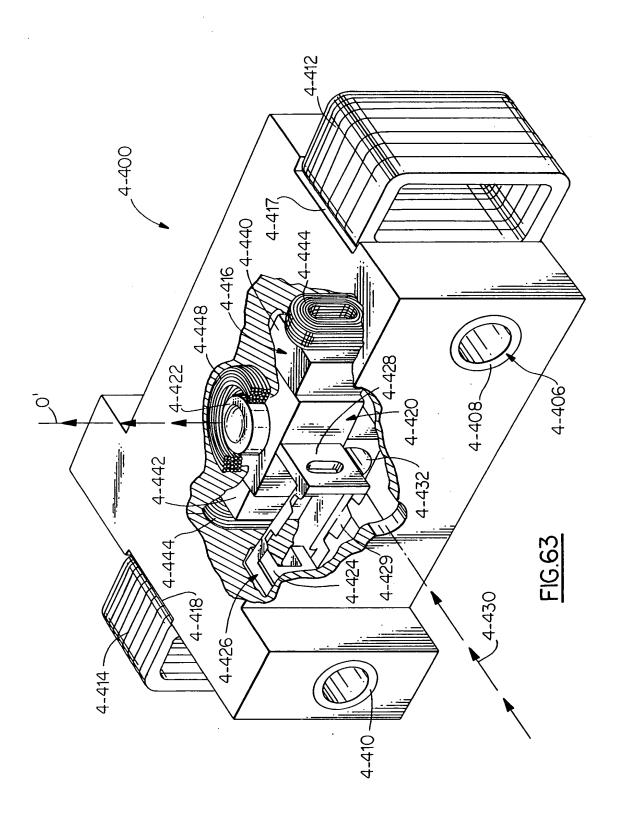




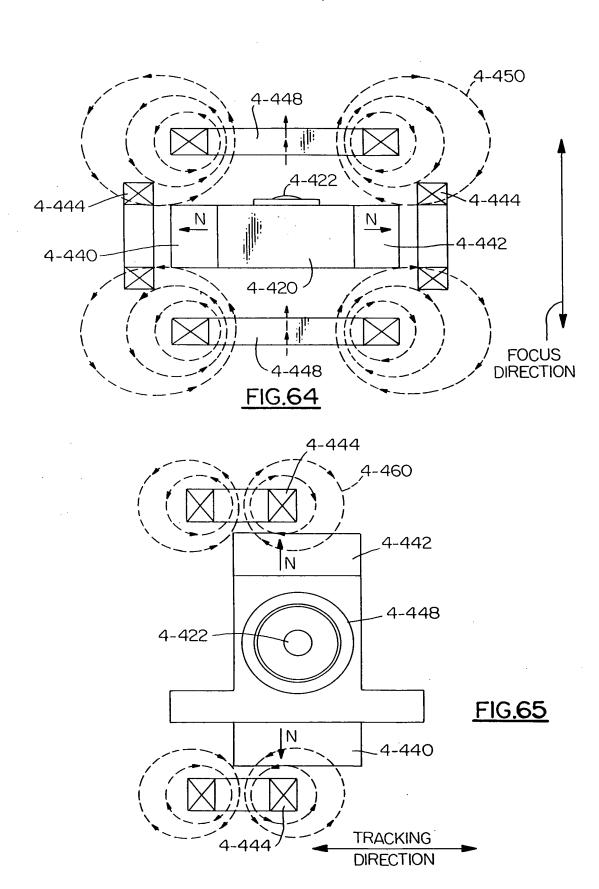




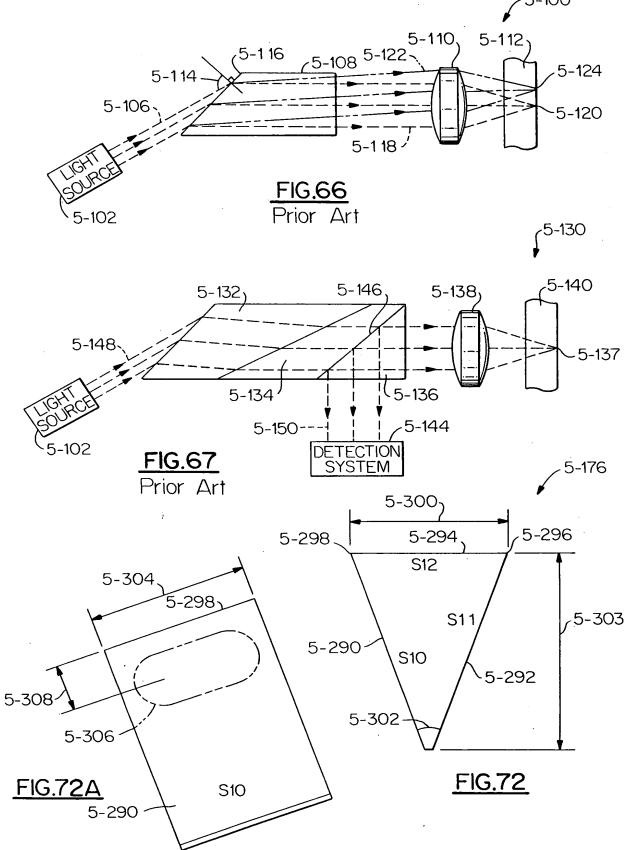
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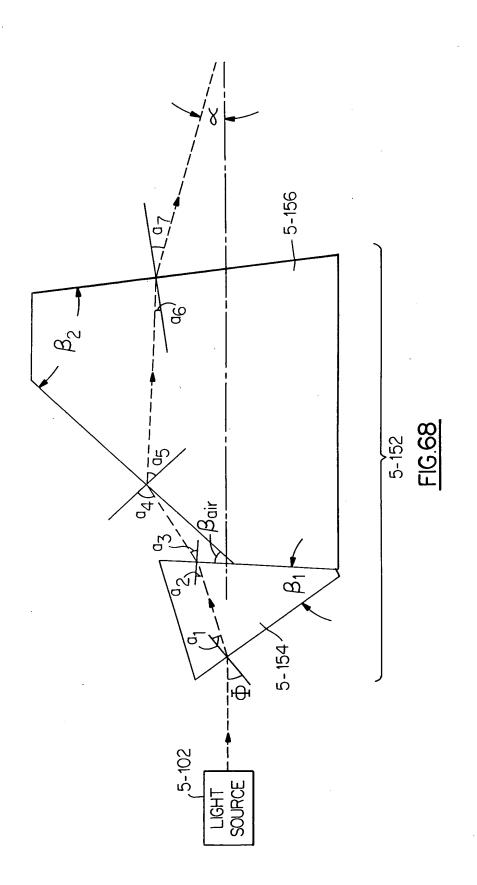
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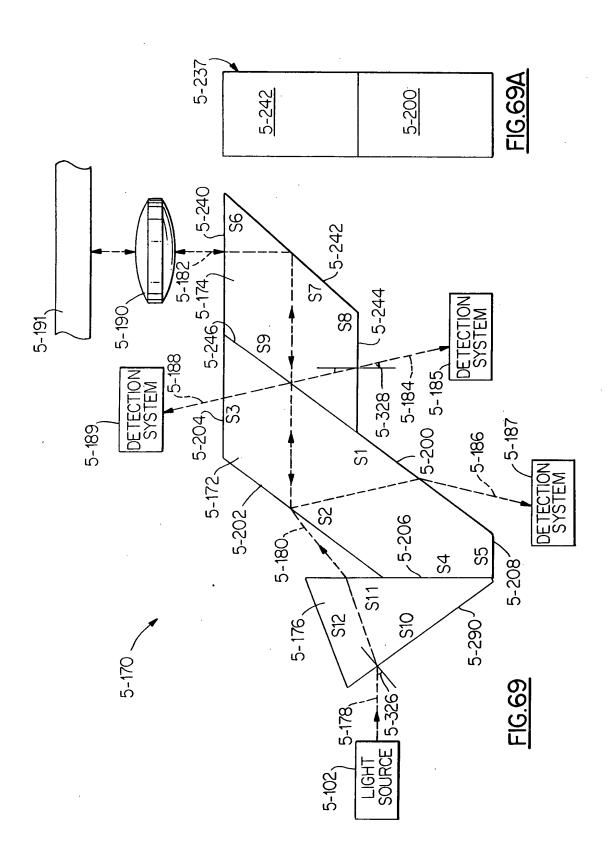
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Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI 58/154 5-100 5-110, 5-112 5-116 5-124 5-114 5-106 5-120 5-1 **18** / FIG.66 Prior Art -5-130 5-140 5-146 5-132 5-138 -5-137 5-134 5-136 5-150--5-144 DETECTION SYSTEM FIG.67 5-176 Prior Art 5-300 5-296 5-294 5-298 S12 5-304 5-298· S11 5-303 5-290 S10 5-292



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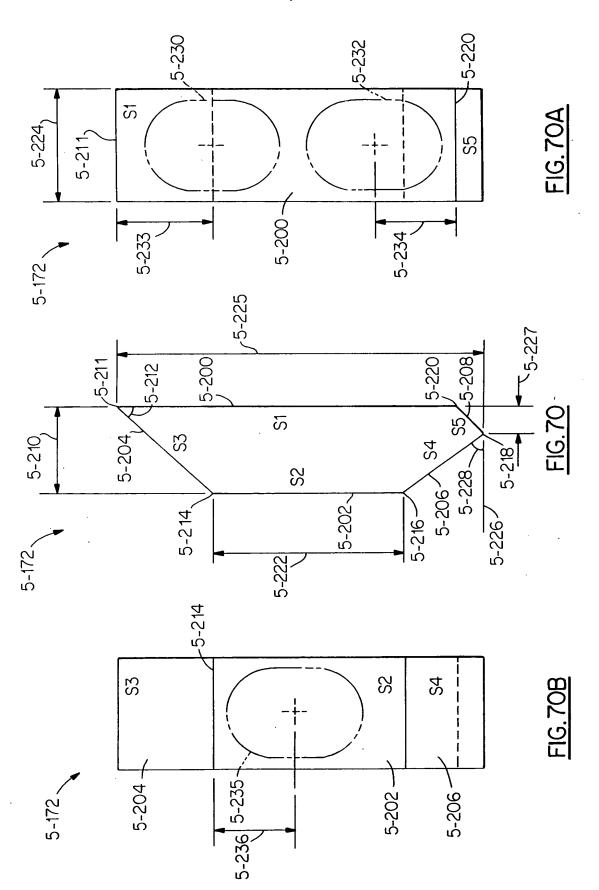


Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

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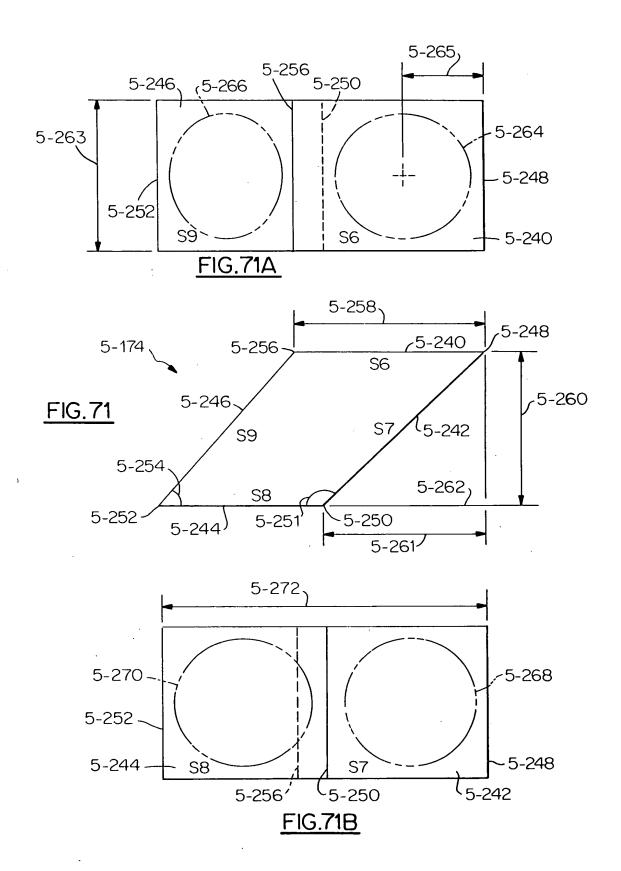


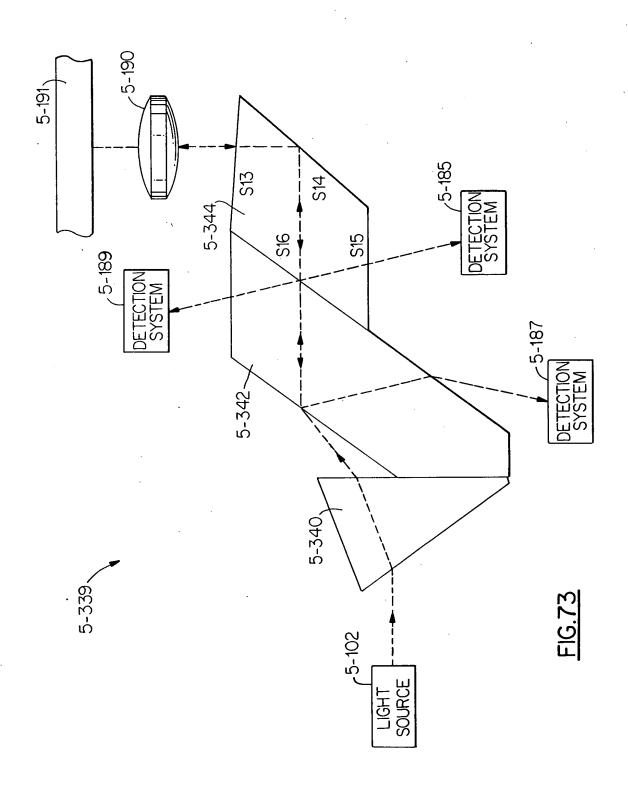
Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

Docket No.: 951028(US)USC1X1X1D1 MMMI

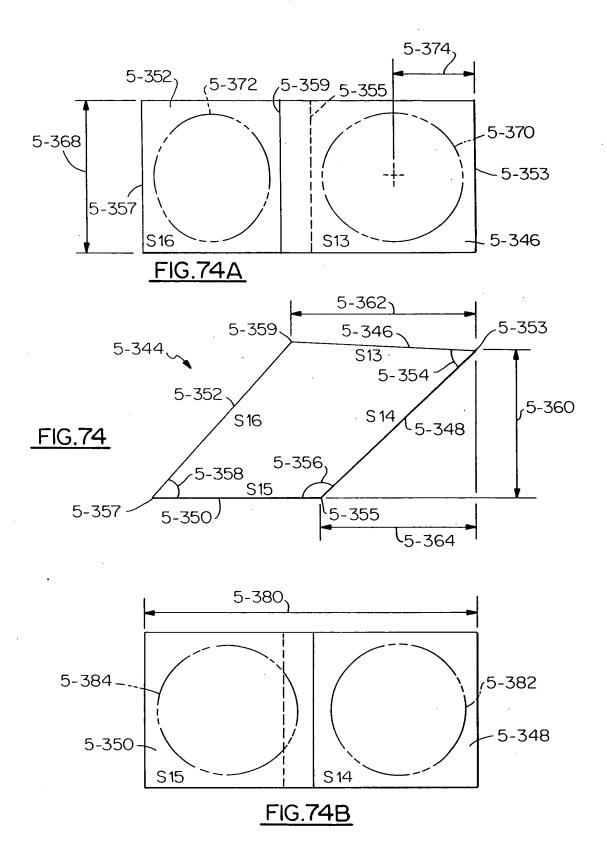




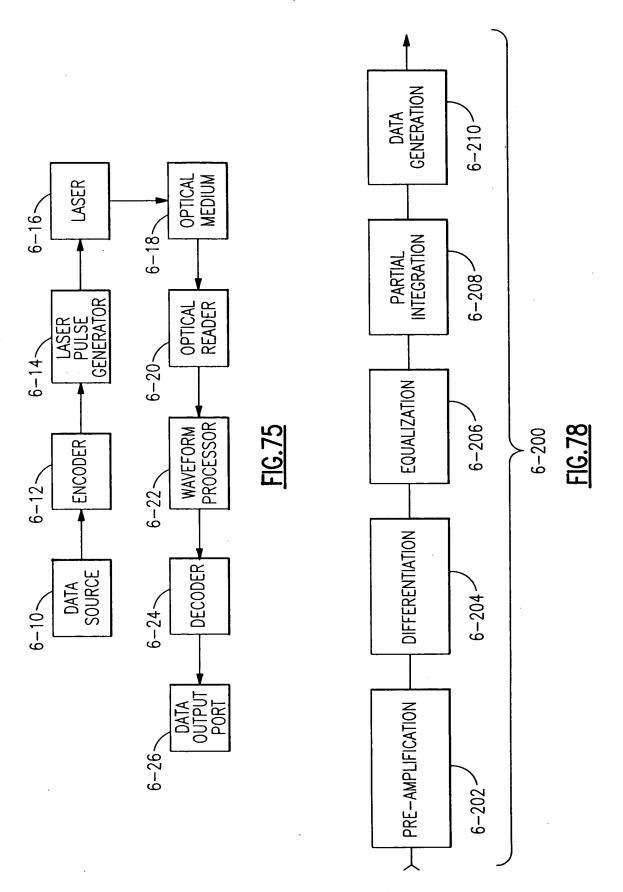
Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

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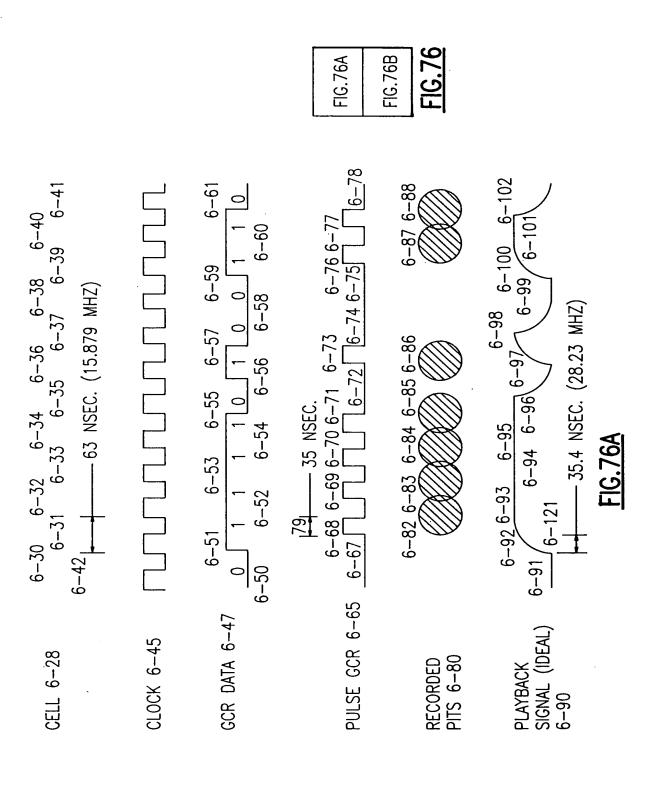


Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

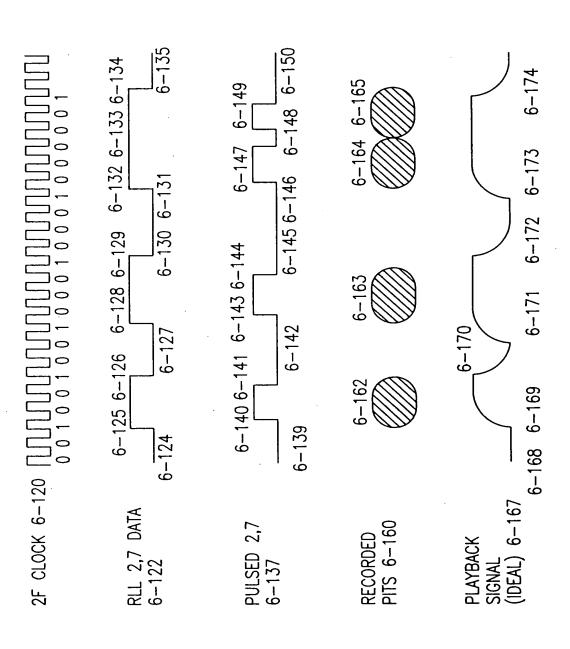


Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

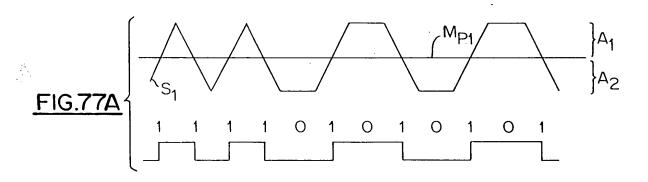


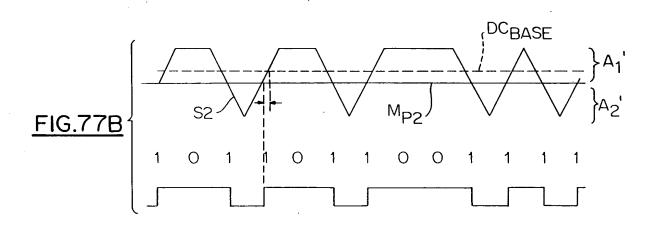
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer Application No.: 08/485,070

Docket No.: 951028(US)USC1X1X1D1 MMMI





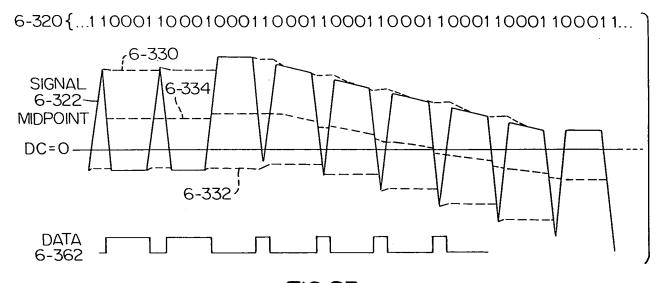
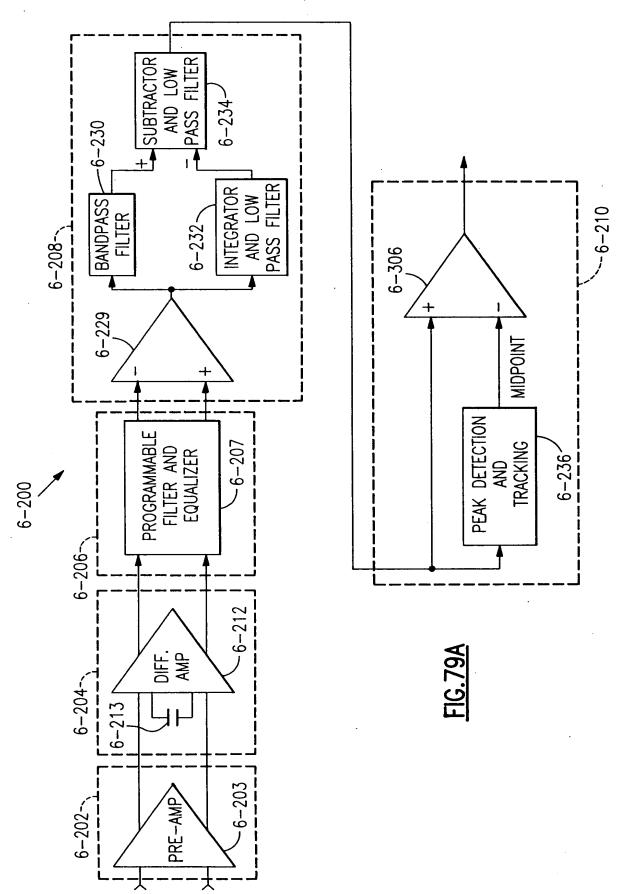
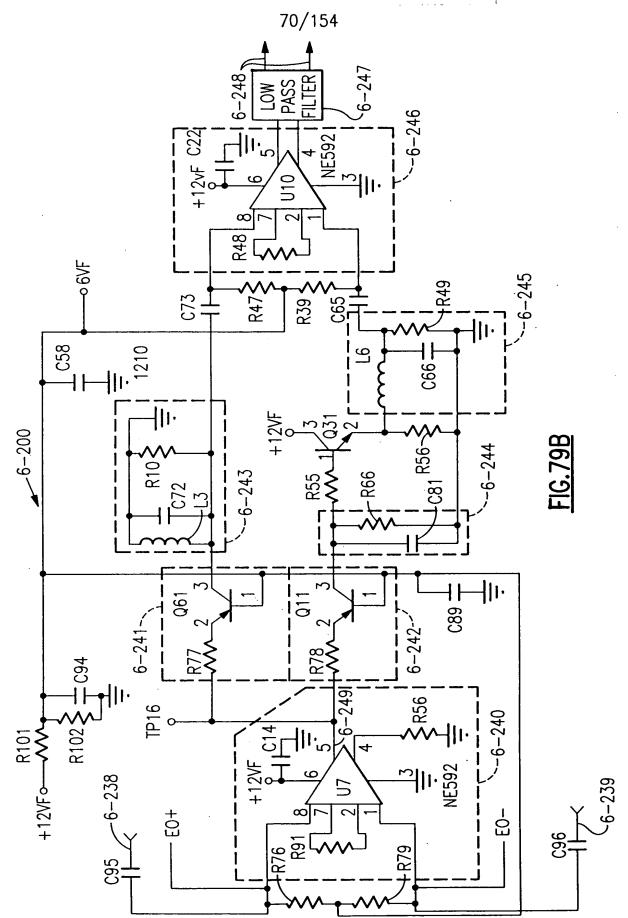


FIG.83

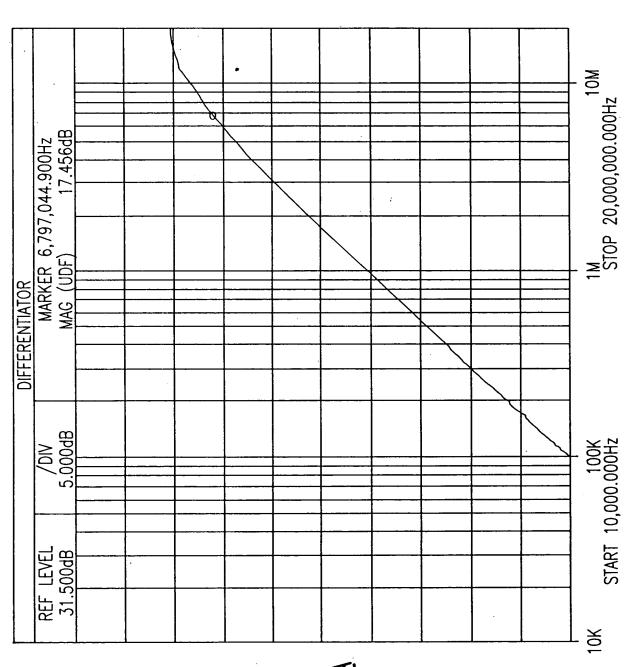
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



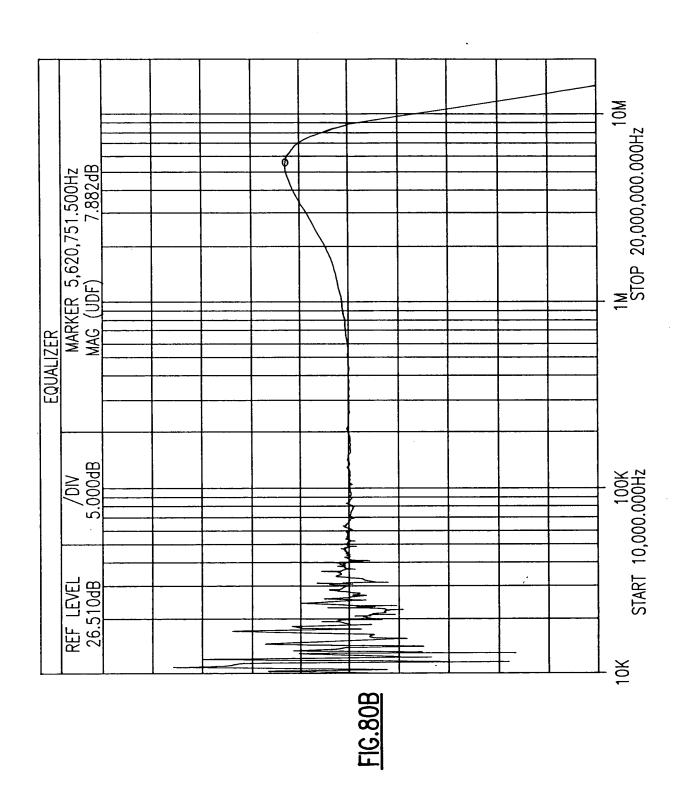


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Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

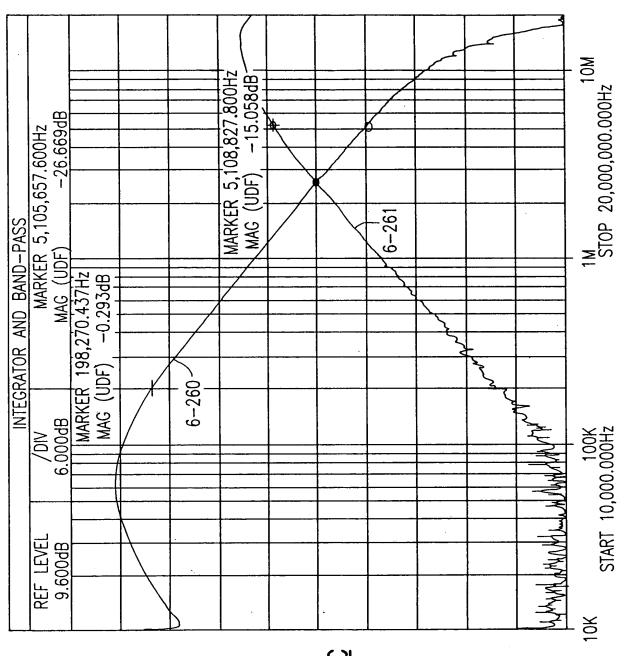


Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

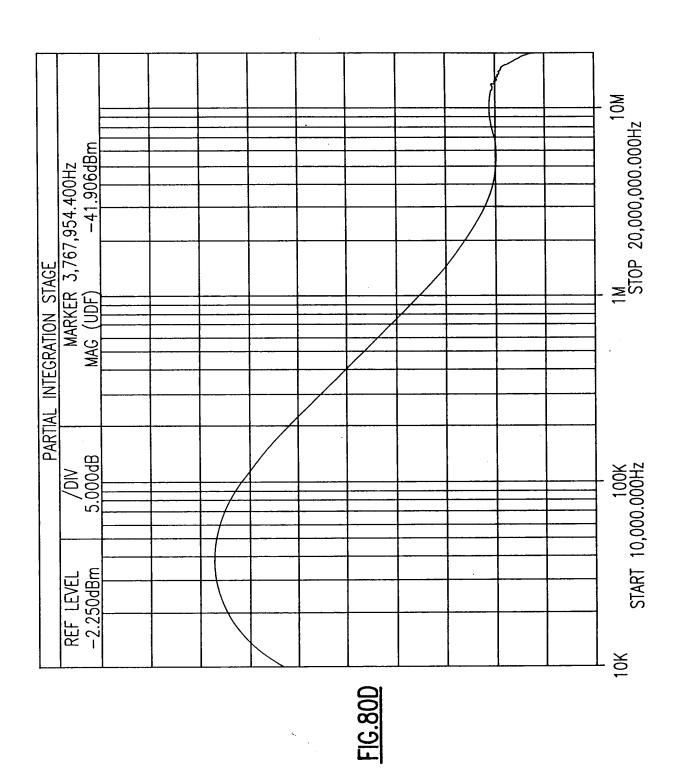


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Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

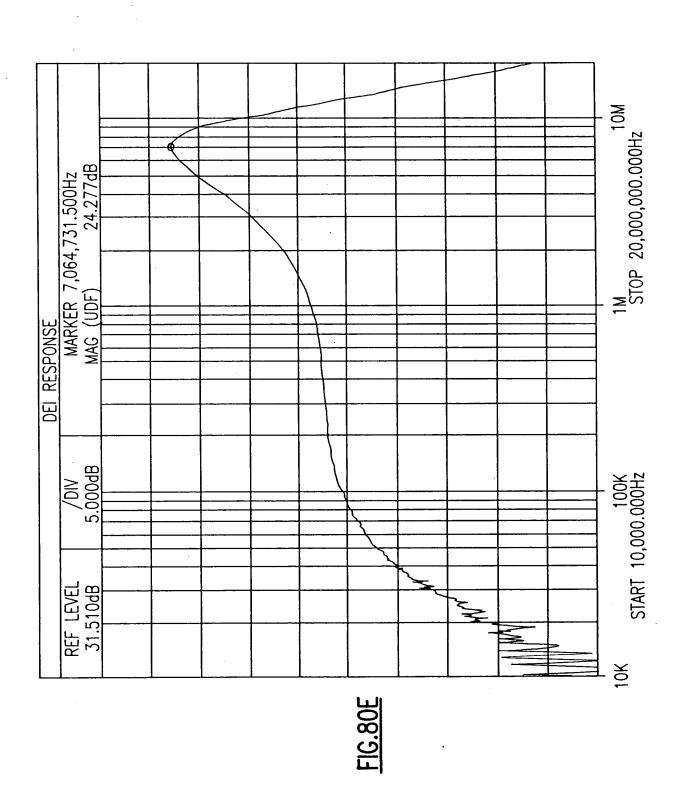


Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

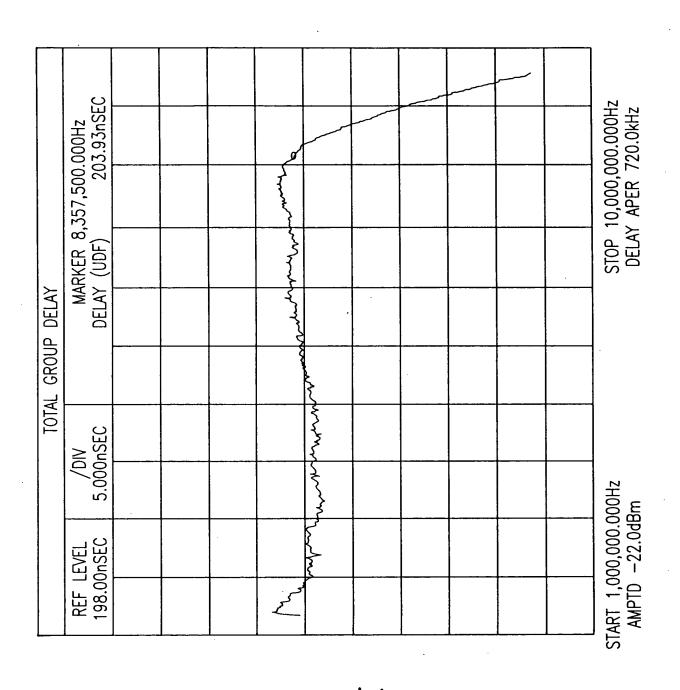


Applicant: Kurt W. Getreuer

Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI



Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

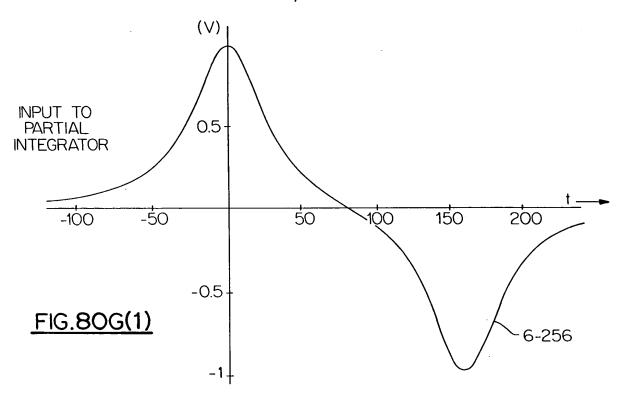


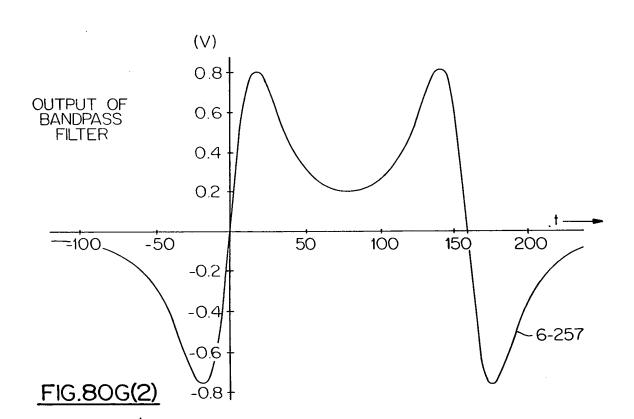
Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

DISC SYSTEM INCLUDING SAME Applicant: Kurt W. Getreuer

Application No.: 08/485,070

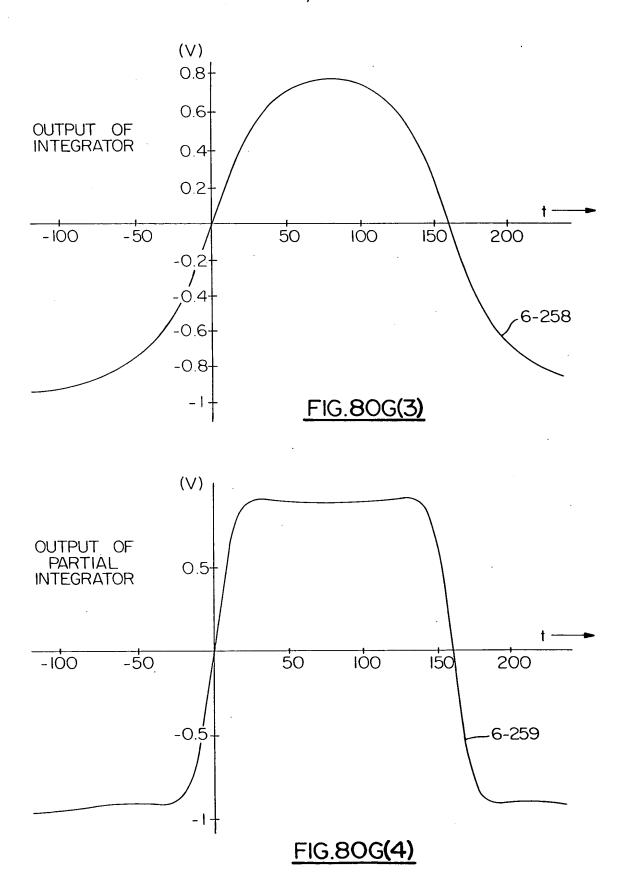






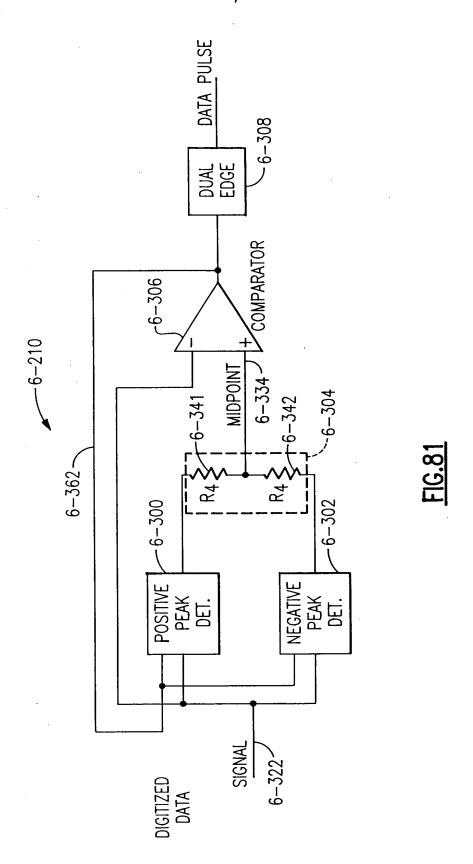
Applicant: Kurt W. Getreuer Application No.: 08/485,070

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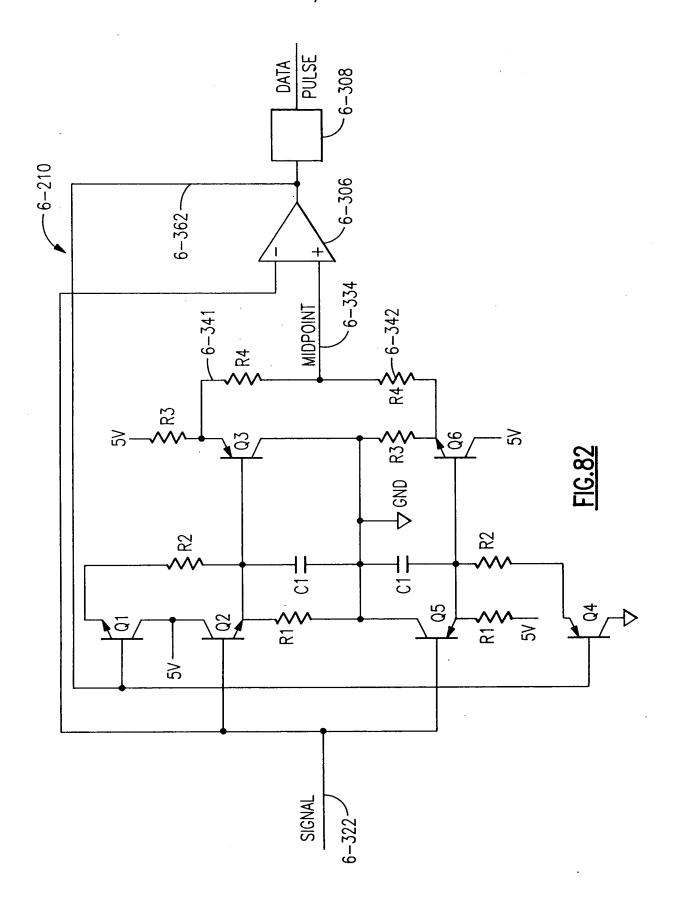


Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

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Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI



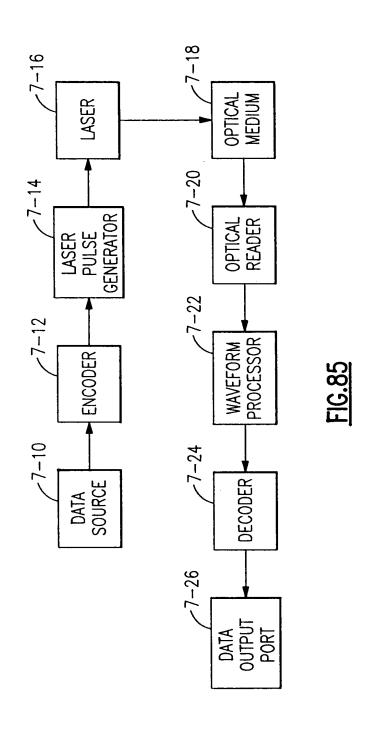
Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI 81/154 WPLITUDE X-4.69mv 0-2.02mv TIME FIG.84A 02 X 3.75mv 0 11.2mv TIME **FIG.84B** TIME **FIG.84C** 



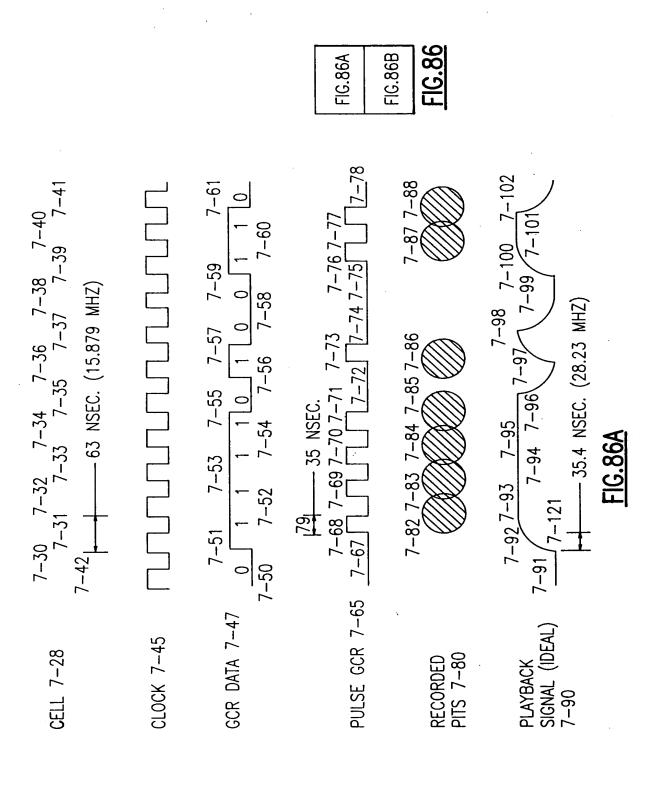
TIME

FIG.84D

Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

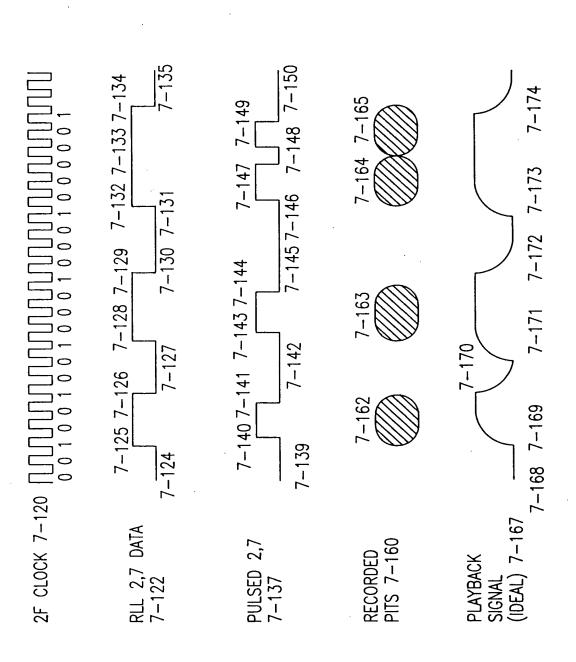


Applicant: Kurt W. Getreuer
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Docket No.: 951028(US)USC1X1X1D1 MMMI



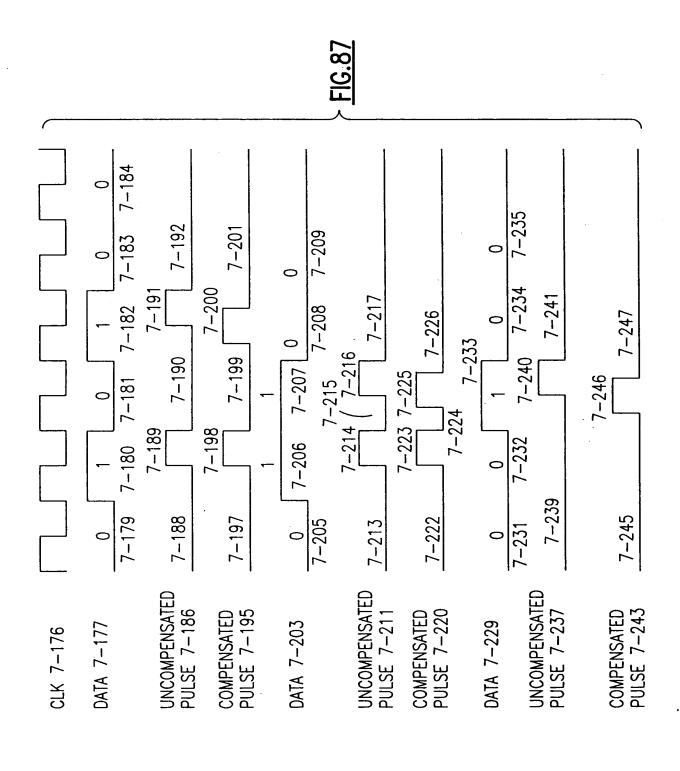
Applicant: Kurt W. Getreuer Application No.: 08/485,070

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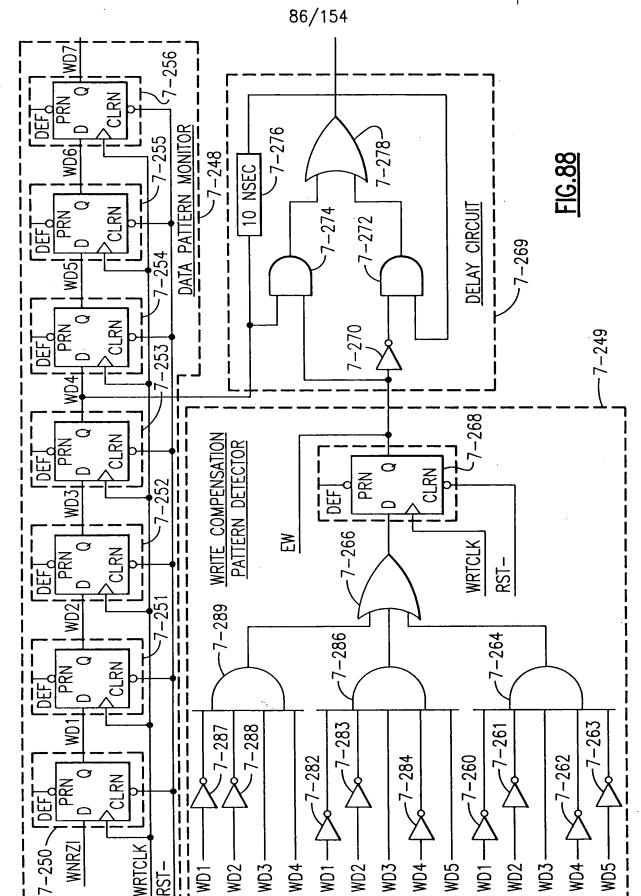


Applicant: Kurt W. Getreuer

Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

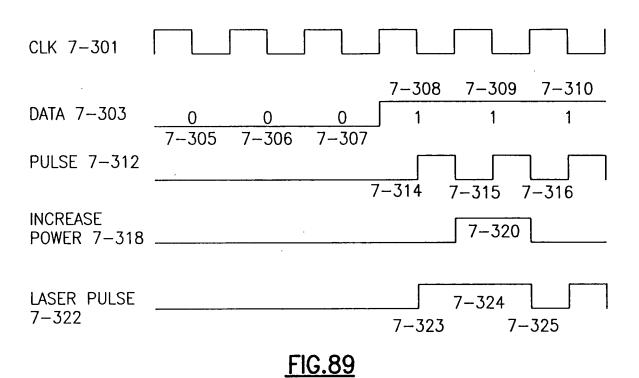


Applicant: Kurt W. Getreuer
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Docket No.: 951028(US)USC1X1X1D1 MMMI



Application No.: 08/485,070

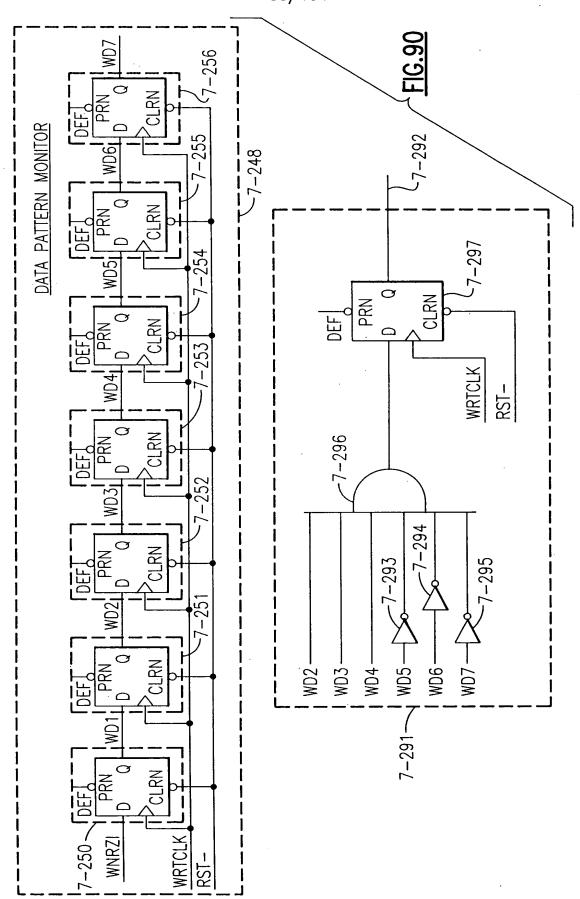
Docket No.: 951028(US)USC1X1X1D1 MMMI



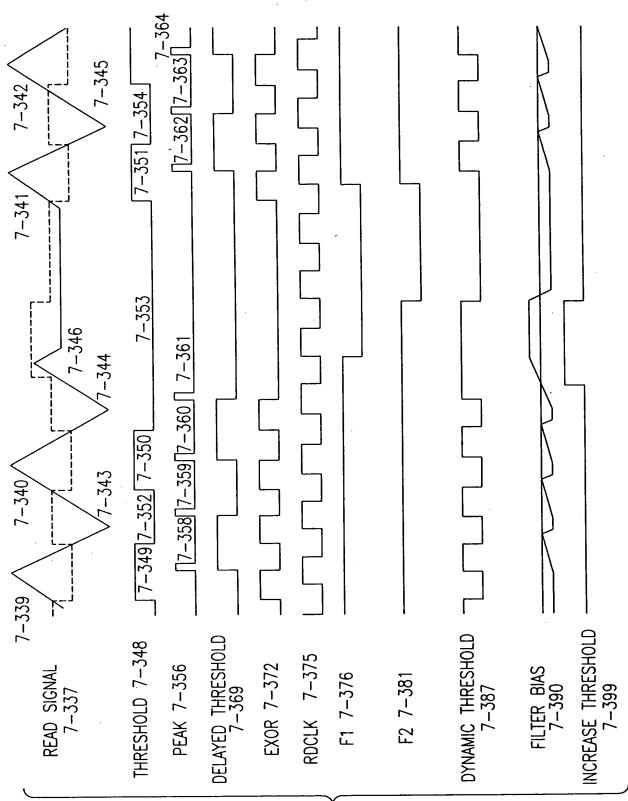
7-337 **EQUALIZER** 7-331 МО DIFF. **SIGNAL** SUM **AMP** 7-337 7-327 **DERIVATIVE** 7-333 7-335 7-329 FIG.91

Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI





Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

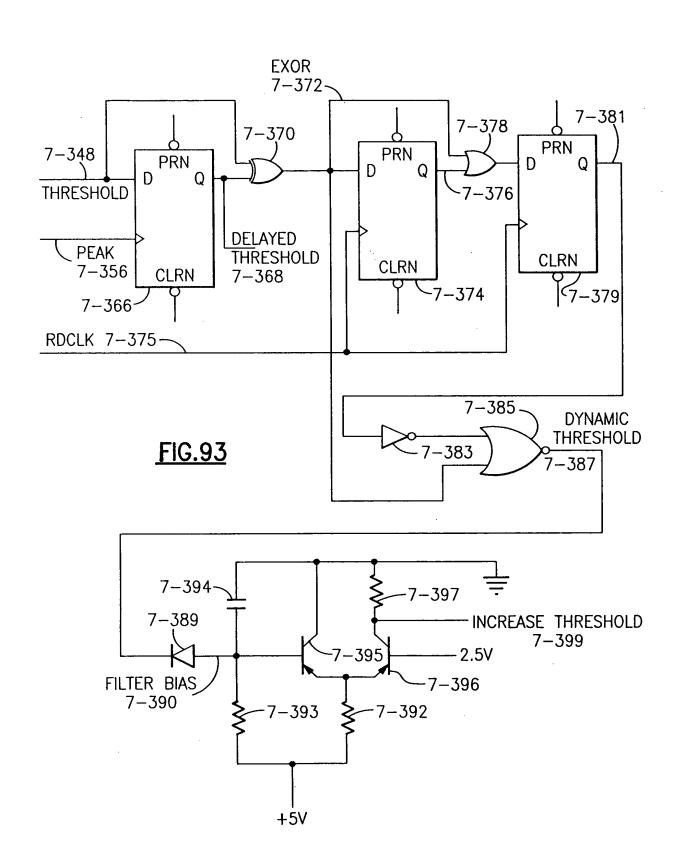


Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

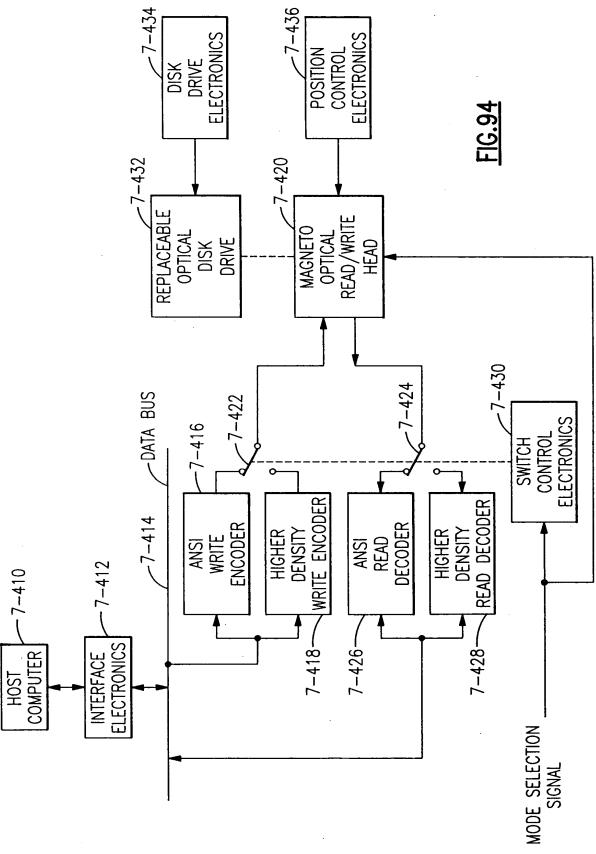
DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer

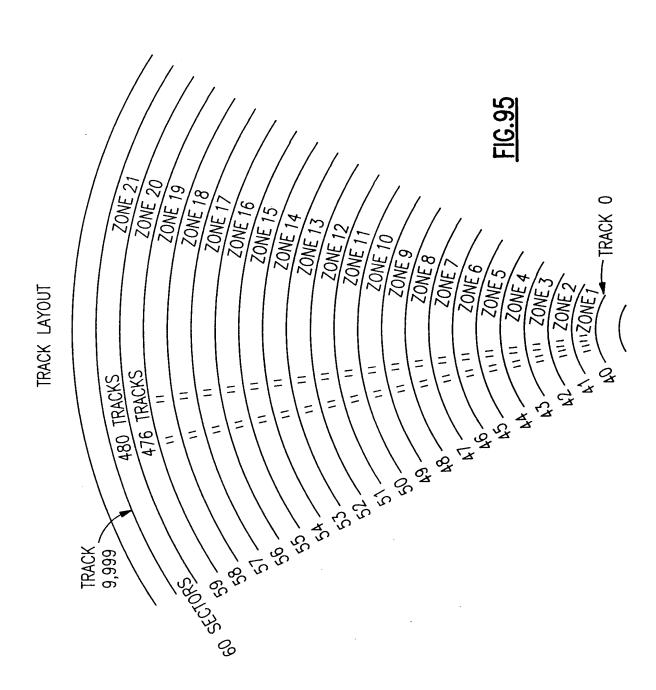
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



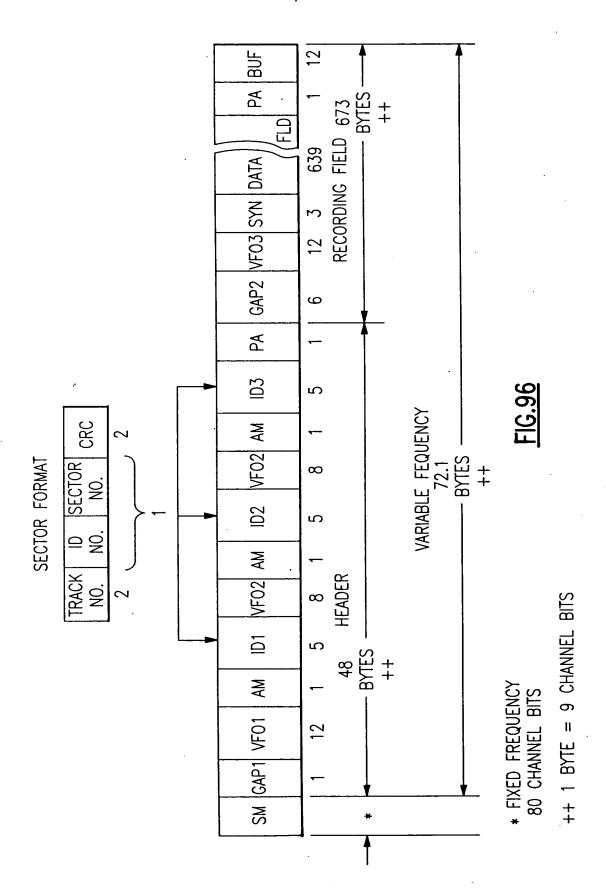
Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI 91/154



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Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

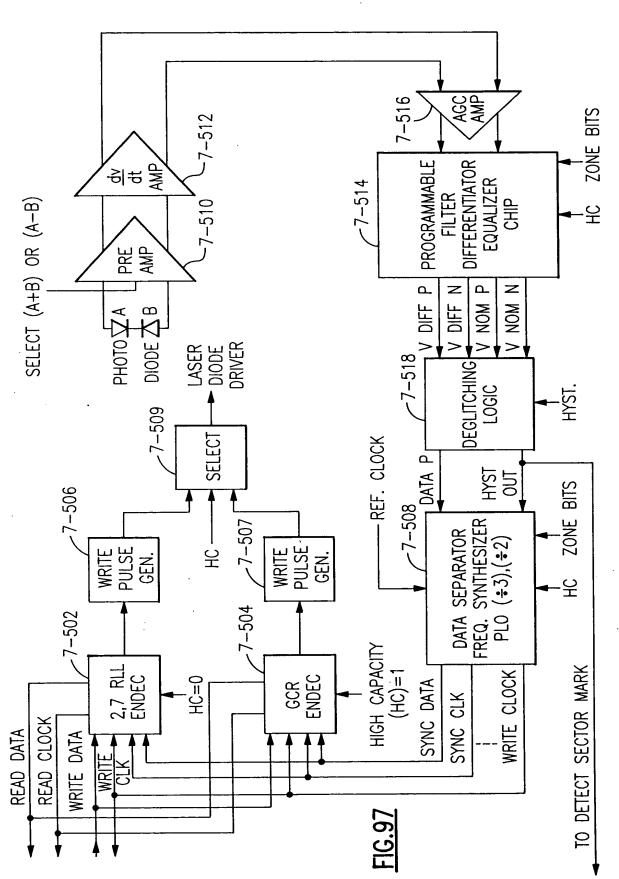


Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI



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Applicant: Kurt W. Getreuer

Application No.: 08/485,070

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		· · · · · · · · · · · · · · · · · · ·		
ZONE	(ABSOLUTE)	NO. OF SECTORS PER TRACK	NO. OF SEC./ZONE	WRITE FREQ. (MHZ)
1	0 - 475	40	19040	10.591
2	476 - 951	41	19516	10.852
2 3	952 - 1427	42	19992	11.117
4	1428 - 1903	43	20468	11.368
5 6	1904 — 2379	44	20944	11.636
6	2380 - 2855	45	21420	11.963
7	2856 - 3331	46	21896	12.180
8	3332 - 3807	47	22372	12.459
9	3808 – 4283	48	22848	12.705
10	4284 – 4759	49	23324	12.992
11	4760 - 5235	50	23800	13.257
12	5236 - 5711	51	24276	13.533
13	5712 - 6187	52	24752	13.831
14	6188 - 6663	53	25228	14.086
15	6664 - 7139	54	25704	14.362
16	7140 - 7615	55	26180	14.626
17	7616 – 8091	56	26656	14.914
18	8092 - 8567	57	27132	15.130
19	8568 - 9043	58	27608	15.467
20	9044 - 9519	59	28084	15.694
21	9520 – 9999	60	_ 28800	15.950
			TOTAL SEC. 500,040	
			x 512 B/S =	
			256.02 MB	
┗——	L	L		<u>.                                    </u>

**FIG.98** 

FIG.99

CRC FOR ID FIELDS

$$(1) G(x) = x^{16} + x^{12} + x^{5} + 1$$

$$(2) R(x) = \left(\sum_{i=8}^{i=23} \overline{b_i} x^{i} + \sum_{j=0}^{i=7} b_j x^{j}\right) x^{16} \text{ Mod } G(x)$$

$$(3) R_C(x) = \sum_{k=0}^{k=15} c_k x^k$$

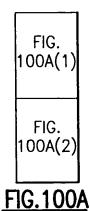
$$k = 0$$

Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

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8 B	IT BYTE	ENCODED	٢	8 BI	T BYTE	ENCODED
HEX	BINARY	9 BIT BYTE		HEX	BINARY	9 BIT BYTE
00	00000000	011001011		40	01000000	010001011
01	00000001	011001001		41	01000001	010001001
02	00000010	001001101		42	01000010	010010010
03	00000011	101100011		43	01000011	010010011
04	00000100	011001010	1	44	01000100	010001010
05	00000101	101100101		45	01000101	010010101
06	00000110	101100110		46	01000110	010010110
07	00000111	101100111		47	01000111	010010111
08	00001000	011001111		48	01001000	010001111
09	00001001	101101001		49	01001001	010011001
OA	00001010	101101010	Ш	4A	01001010	010011010
OB	00001011	101101011		4B	01001011	010011011
OC	00001100	011001110	Ħ	4C	01001100	010001110
OD	00001101	101101101	П	4D	01001101	010011101
OE	00001110	101101110	П	4E	01001110	010011110
OF	00001111	101101111		4F	01001111	010011111
10	00010000	001001011	П	50	01010000	011100101
11	00010001	001001001		51	01010001	001100101
12	00010010	011001101	П	52	01010010	010110010
13	00010011	100100011	П	53	01010011	010110011
14	00010100	001001010	П	54	01010100	010100101
15	00010101	100100101	Ш	55	01010101	010110101
16	00010110	100100110	H	56	01010110	010110110
17	00010111	100100111	Ш	57 50	01010111	010110111
18	00011000	001001111	Ш	58	01011000	1111100101
19	00011001	100101001	П	59	01011001	010111001
1A	00011010	100101010		5A	01011010	010111010
1B	00011011	100101011		5B	01011011	010111011
1C	00011100	001001110		5C	01011100	
1D	00011101	100101101		5D	01011101	010111101 010111110
1E	00011110	100101110		5E		1 -
1F	00011111	100101111		5F	וווווטוטן	010111111

FIG.100A(1)



Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

23 24 25 26 27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E	00100010 00100101 00100101 00100101 00100110 00101000 00101001 00101010 00101011 00101100 00101110 00101111 00101111 0011000 00110011	001010010 001010011 101001110 001010101	62 63 64 65 66 68 68 68 68 68 68 68 68 68 70 71 72 73 74 75 77 78 78 78 78 78 78 78	01100011 01100100 01100101 01100110 01100111 01101000 01101001 01101010 011011	011010010 011010011 010100110 011010101 011010111 111100110 011011
3F	00111111	001111111	7F POSITION IN BYTE	01111111	011111111

Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

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8 B	IT BYTE	ENCODED	ſ	8 B	IT BYTE	ENCODED
HEX	BINARY	9 BIT BYTE	ľ	HEX	BINARY	9 BIT BYTE
80	10000000	111001011		CO	11000000	110001011
81	10000001	111001001	ı	C1	11000001	110001001
82	10000010	100010010	١	C2	11000010	110010010
83	10000011	100010011		C3	11000011	110010011
84	10000100	111001010		C4	11000100	110001010
85	10000101	100010101		C5	11000101	110010101
86	10000110	100010110		C6	11000110	110010110
87	10000111	100010111		C7	11000111	110010111
88	10001000	111001111	П	C8	11001000	110001111
89	10001001	100011001		C9	11001001	110011001
A8	10001010	100011010	$\  \ $	CA	11001010	110011010
8B	10001011	100011011	Ш	CB	11001011	110011011
8C	10001100	111001110	П	CC	11001100	110001110
8D	10001101	100011101	H	CD	11001101	110011101
8E	10001110	100011110	П	CE	11001110	110011110
8F	10001111	100011111	H	CF	11001111	110011111
90	10010000	011101001		DO	11010000	011101101
91	10010001	001101001	Ш	D1	11010001	001101101
92	10010010	100110010	ll	D2	11010010	110110010
93	10010011	100110011	H	D3	11010011	110110011
94	10010100	010101001		D4	11010100	010101101
95	10010101	100110101	Н	D5	11010101	110110101
96	10010110	100110110		D6	11010110	110110110
97	10010111	100110111	Н	D7	11010111	110110111
98	10011000	111101001	П	D8	11011000	111101101
99	10011001	100111001		D9	11011001	110111001
9A	10011010	100111010		DA	11011010	110111010
9B	10011011	100111011	Ш	DB	11011011	110111011
9C	10011100	110101001		DC	11011100	110101101
9D	10011101	100111101		DD	11011101	110111101
9E	10011110	100111110		DE	11011110	110111110
9F	10011111	100111111		DF	11011111	110111111

FIG.100B(1)

FIG. 100B(1) FIG. 100B(2)

FIG.100B

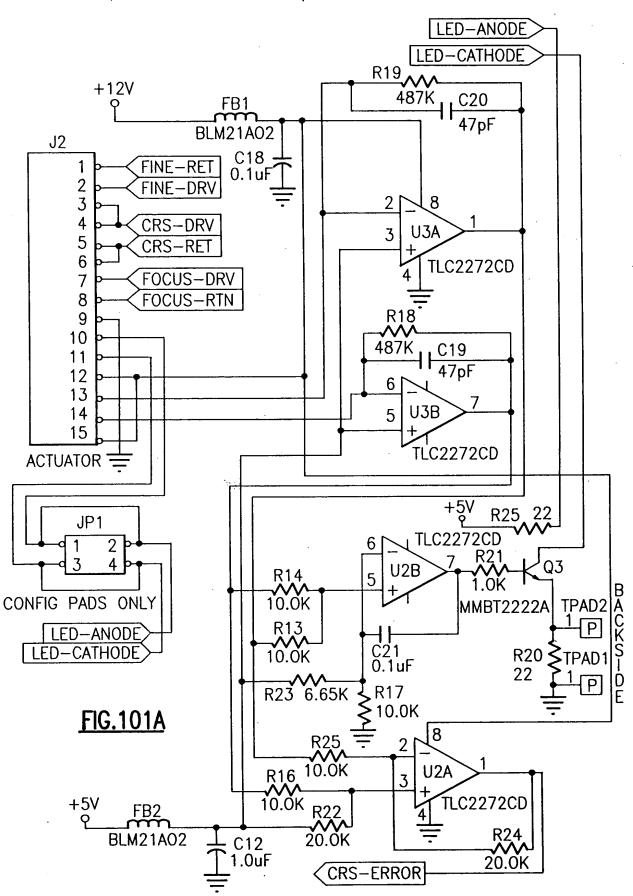
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

FIG.100B(2)

DISC SYSTEM INCLUDING SAME

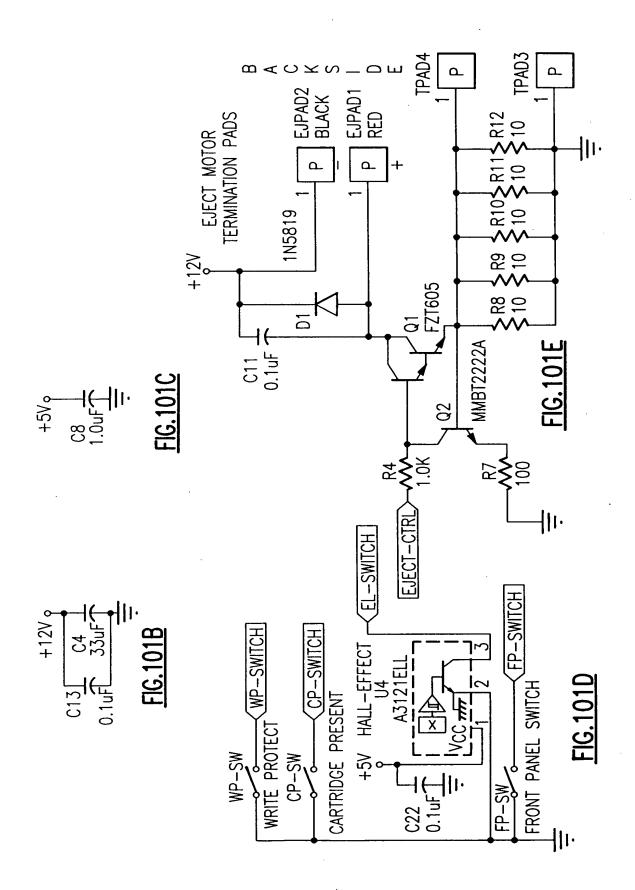
Applicant: Kurt W. Getreuer Application No.: 08/485,070

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Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

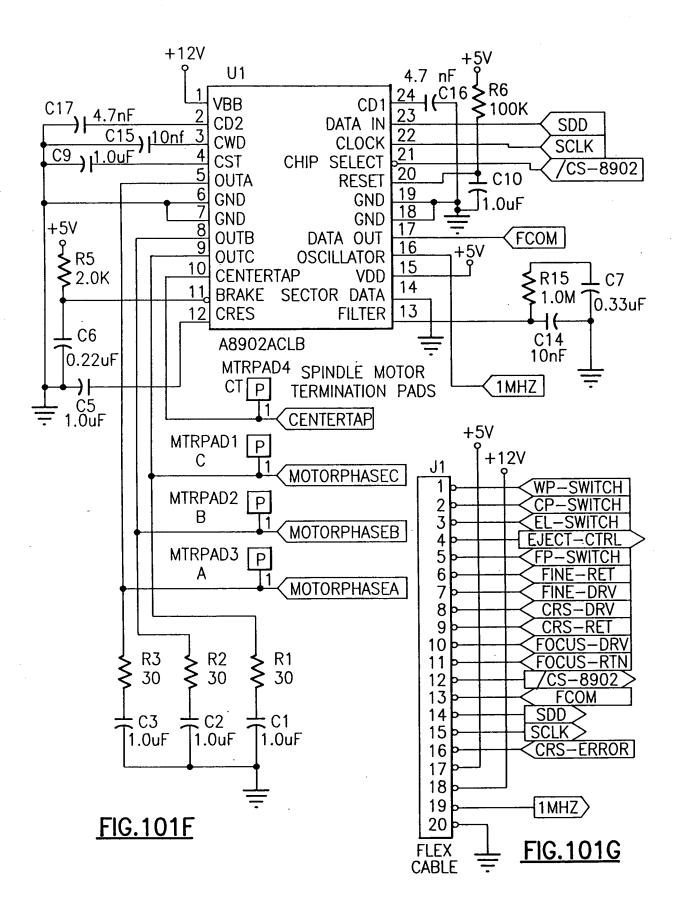


Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

DISC SYSTEM INCLUDING SAME

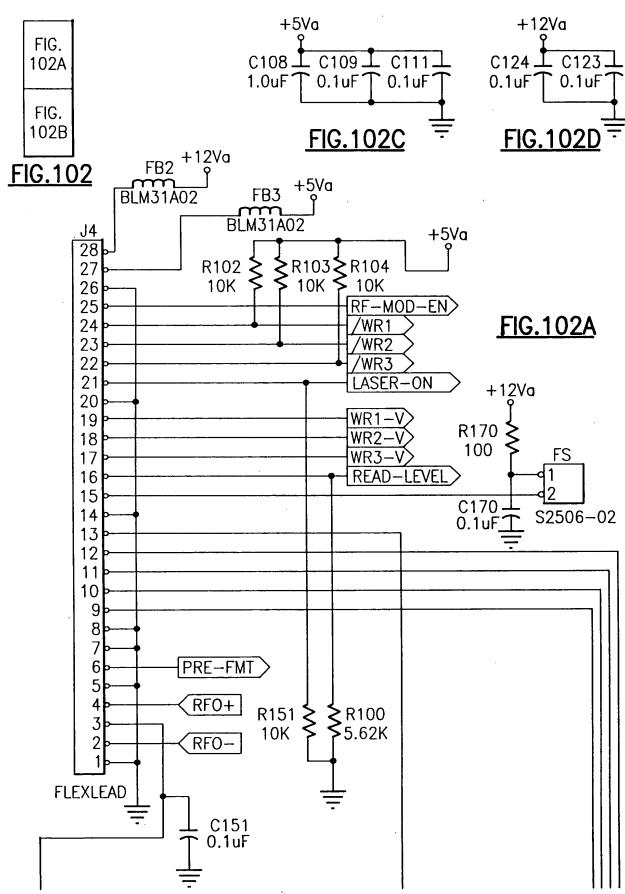
Applicant: Kurt W. Getreuer Application No.: 08/485,070

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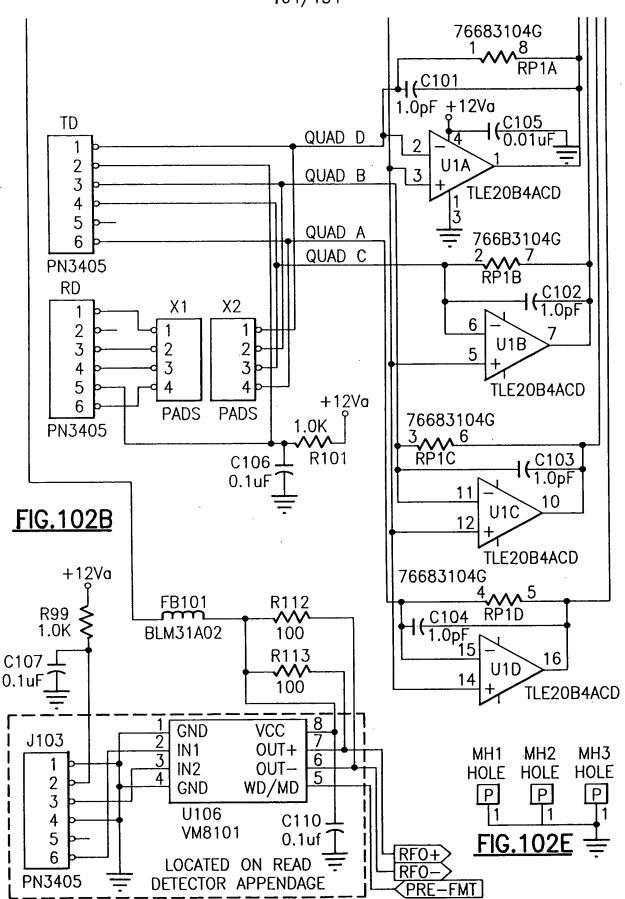
Applicant: Kurt W. Getreuer Application No.: 08/485,070





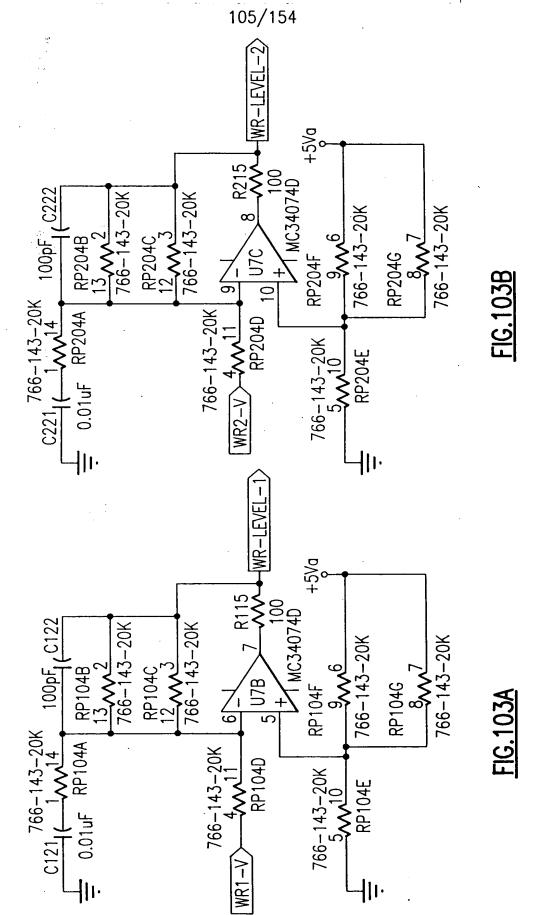
Applicant: Kurt W. Getreuer Application No.: 08/485,070

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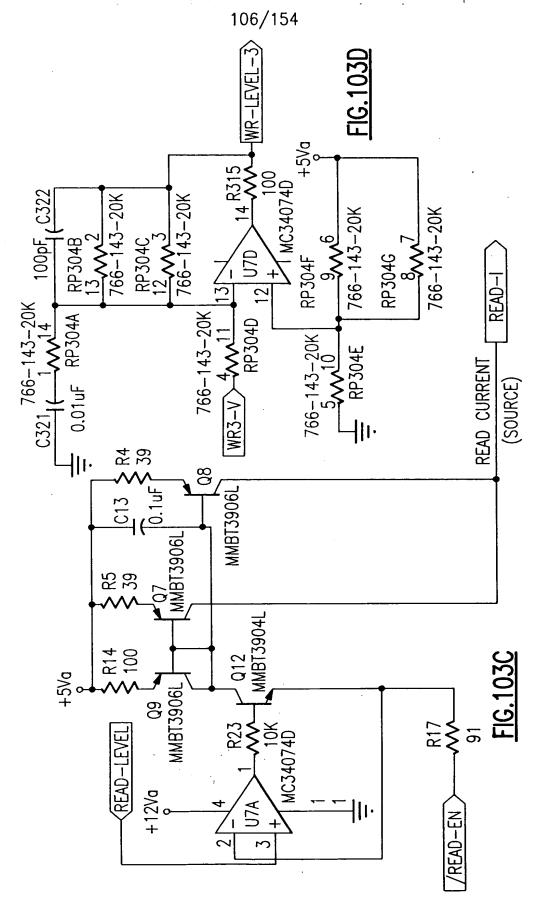
Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



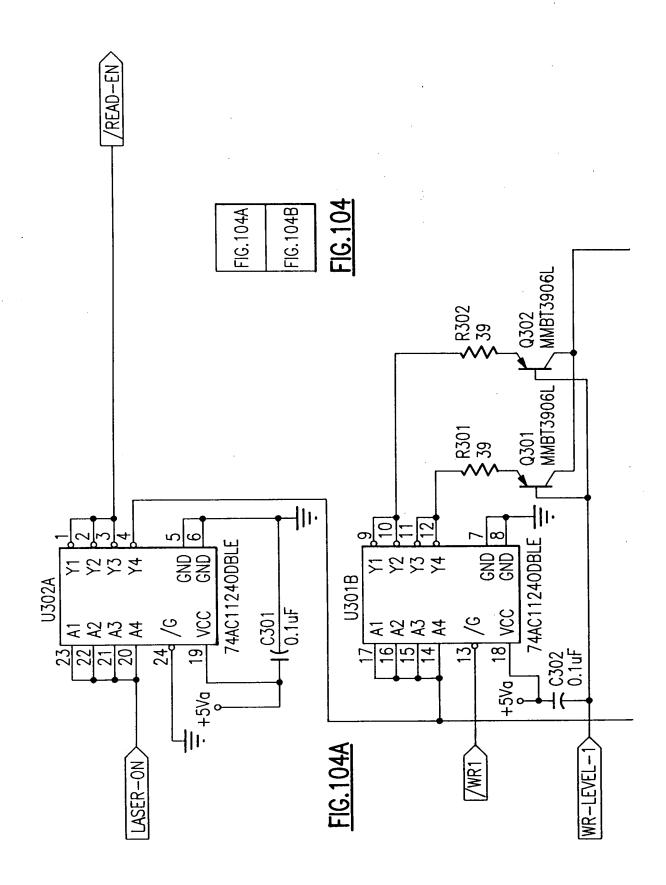
Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



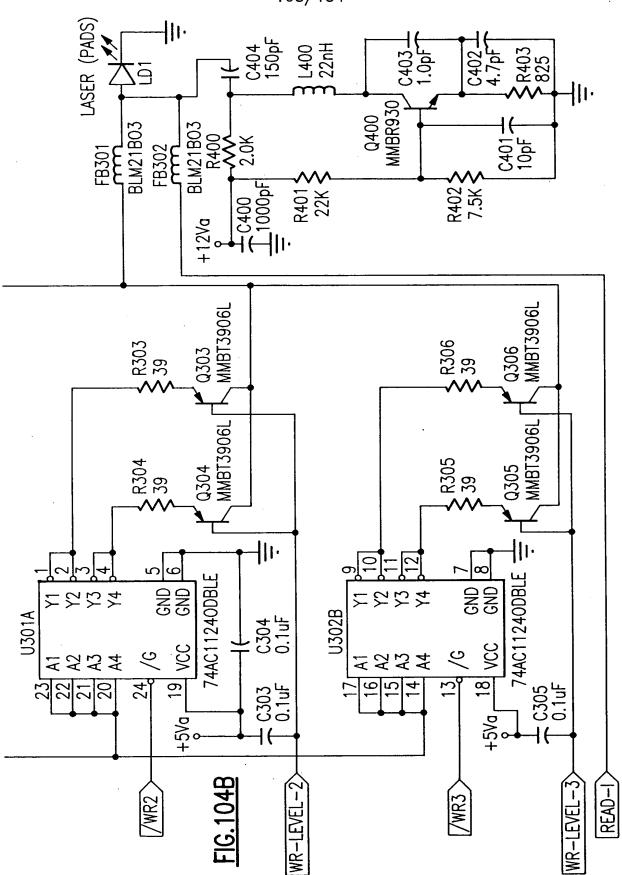
Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

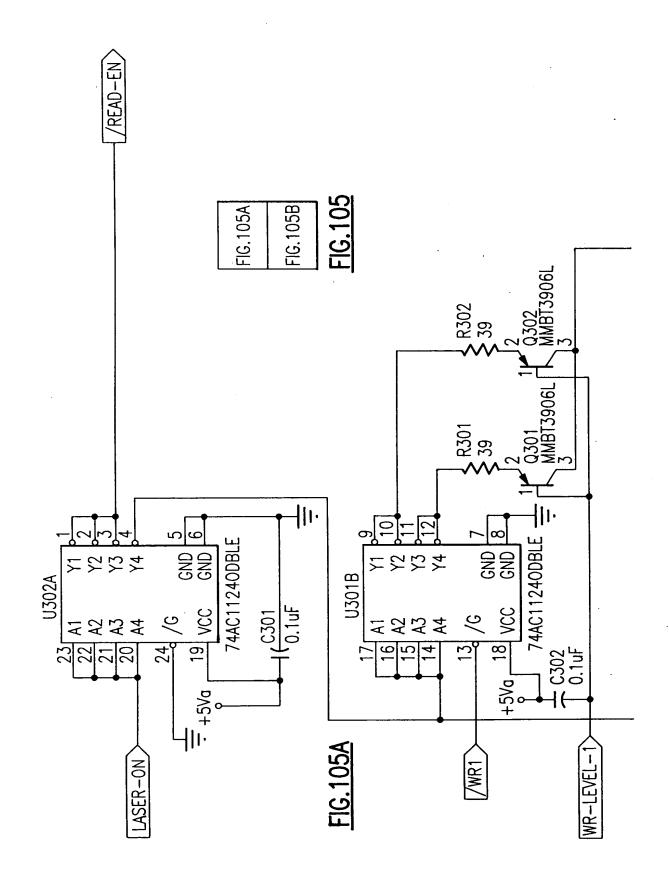


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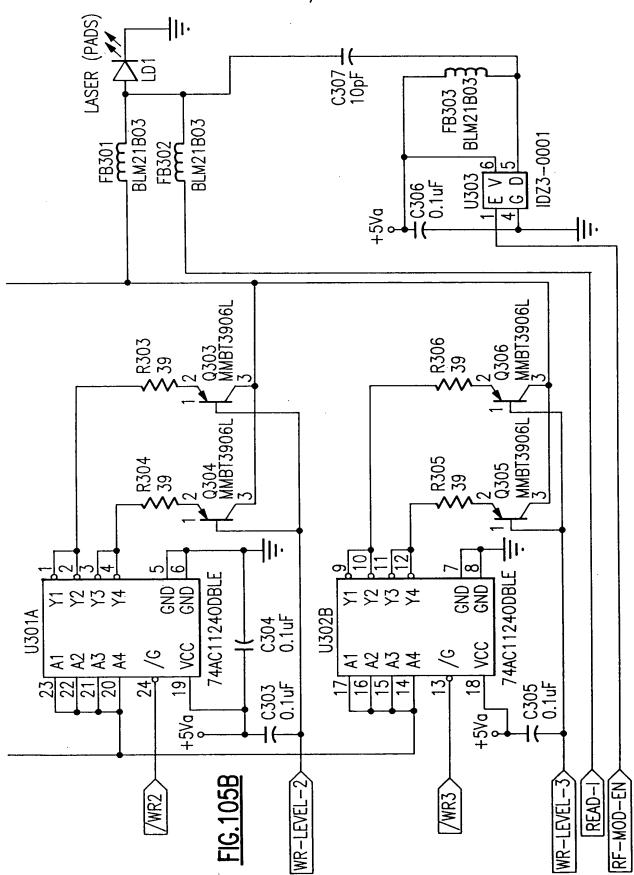


Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer Application No.: 08/485,070

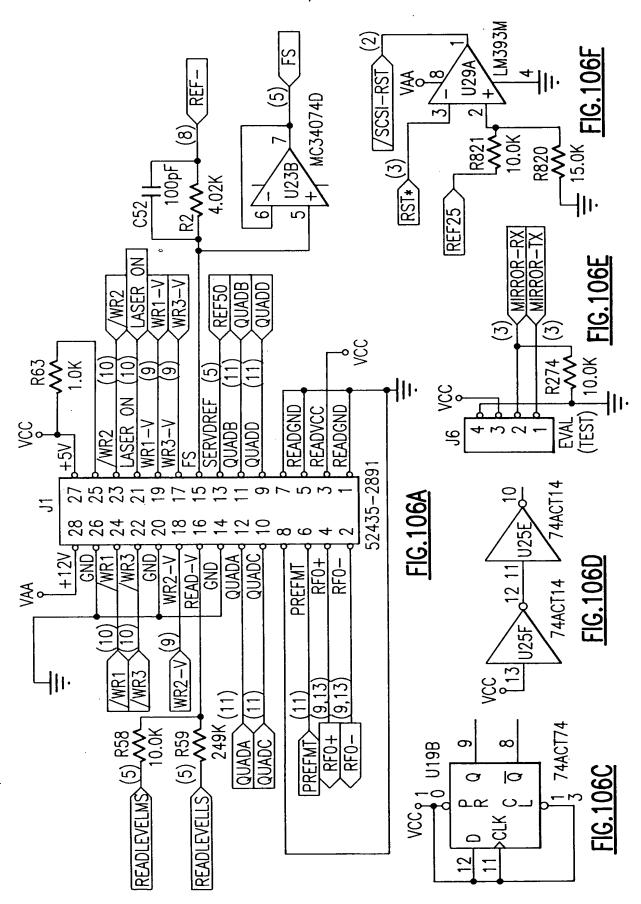
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DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

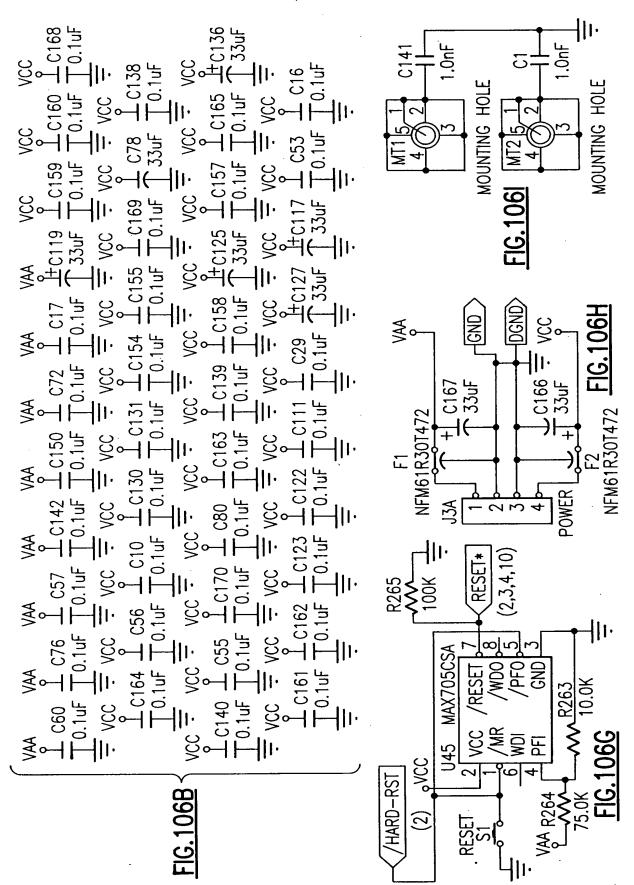
111/154



DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

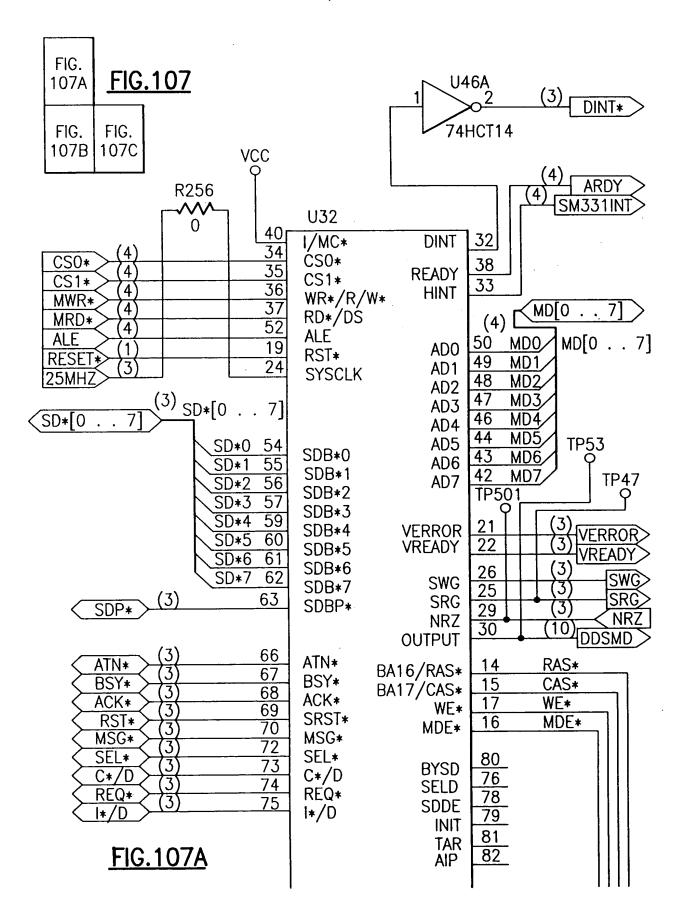
Docket No.: 951028(US)USC1X1X1D1 MMMI



DISC SYSTEM INCLUDING SAME Applicant: Kurt W. Getreuer

Applicant: Kurt W. Getreuer Application No.: 08/485,070

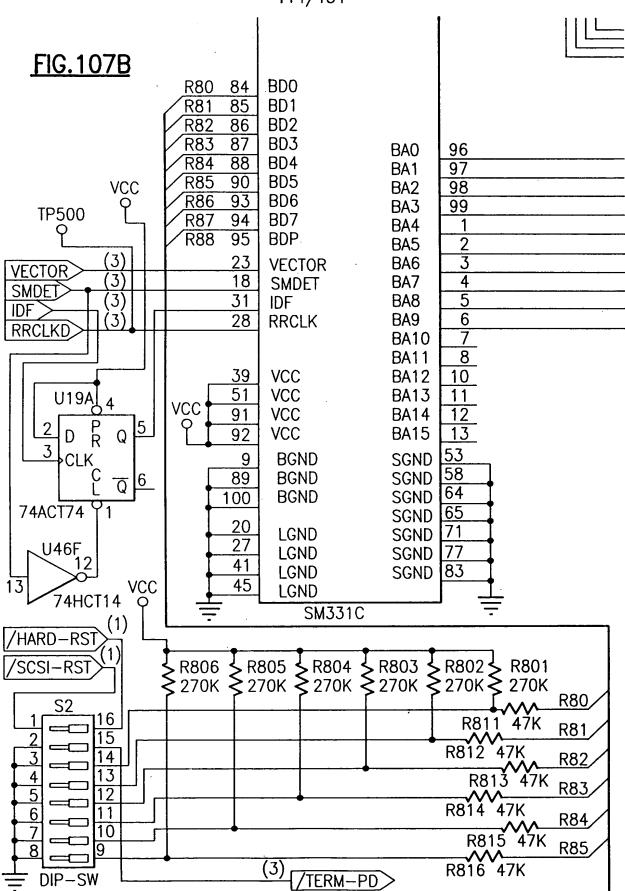
Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer

Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

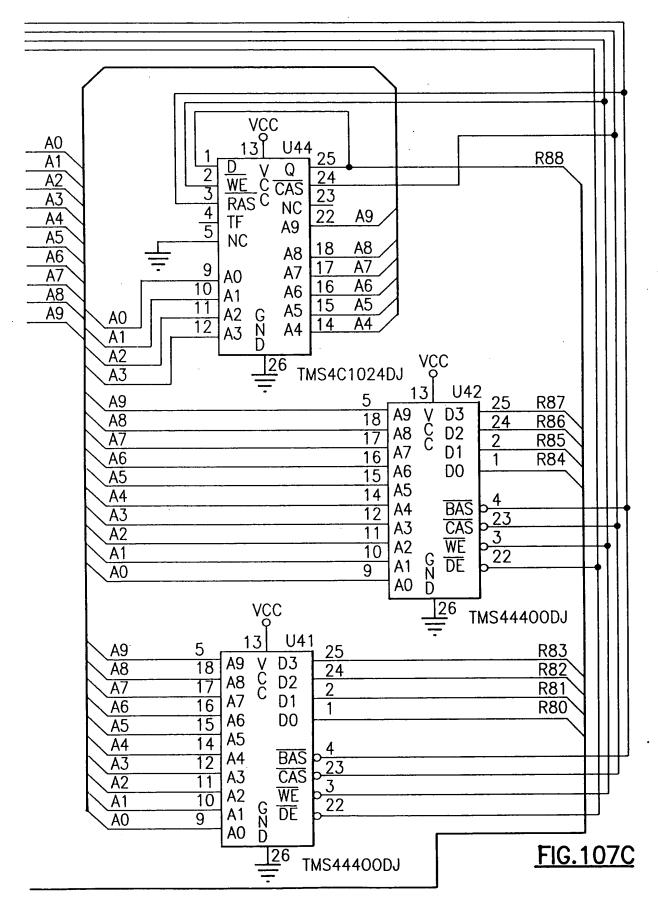




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Applicant: Kurt W. Getreuer Application No.: 08/485,070

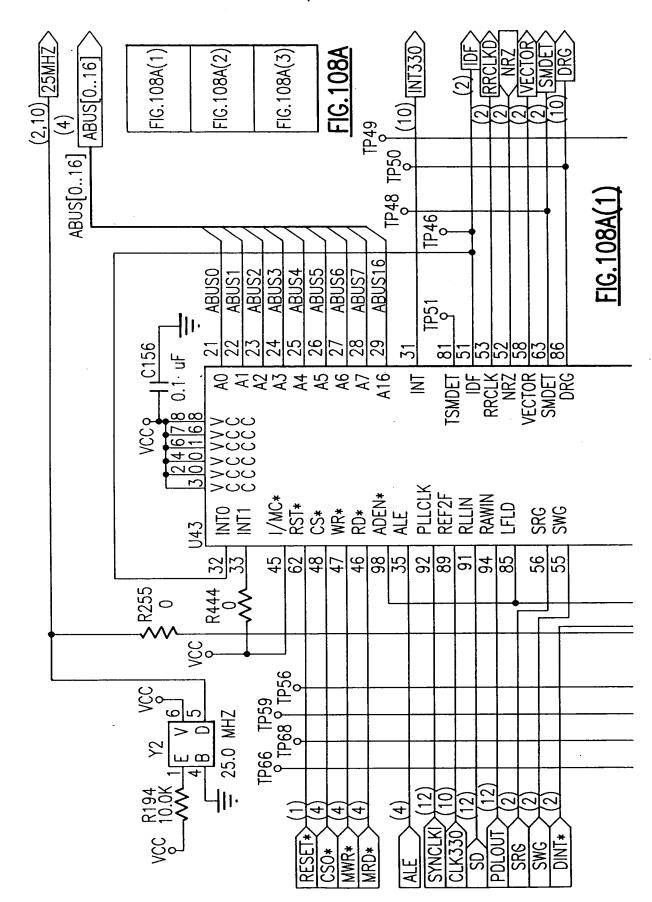
115/154



DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

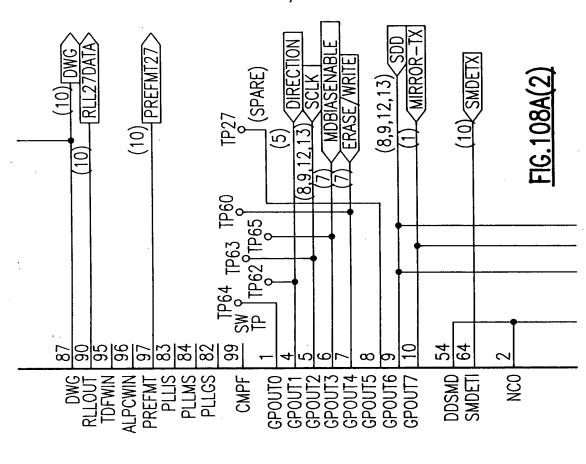
116/154

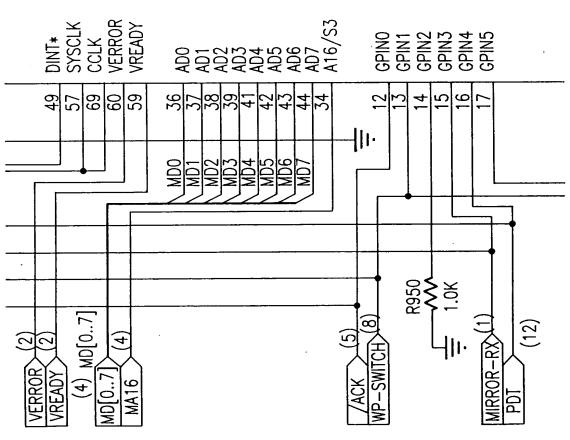


Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

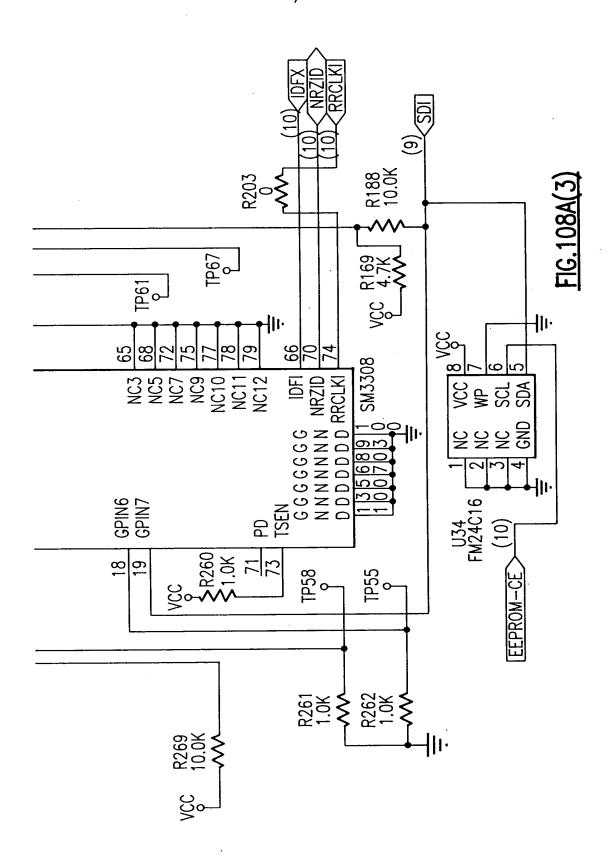
117/154





DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

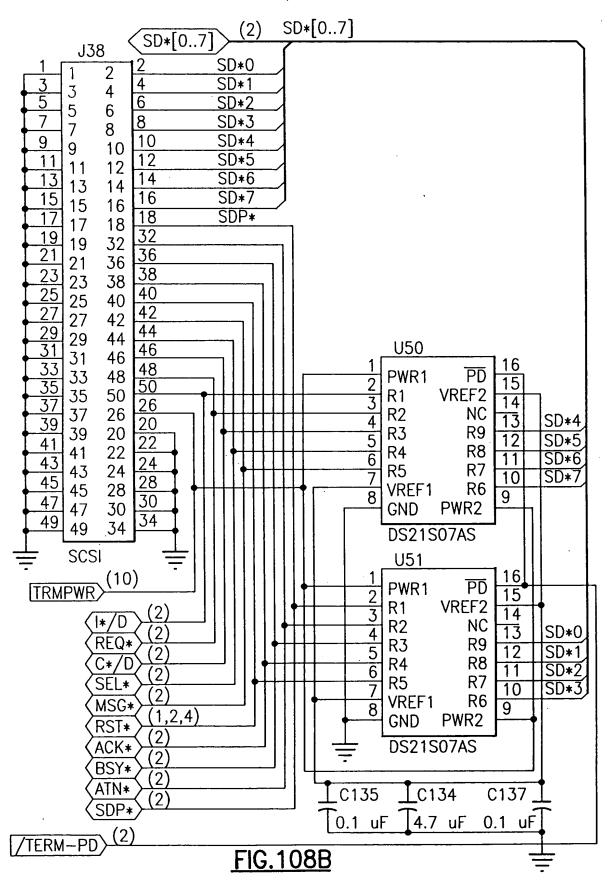
118/154



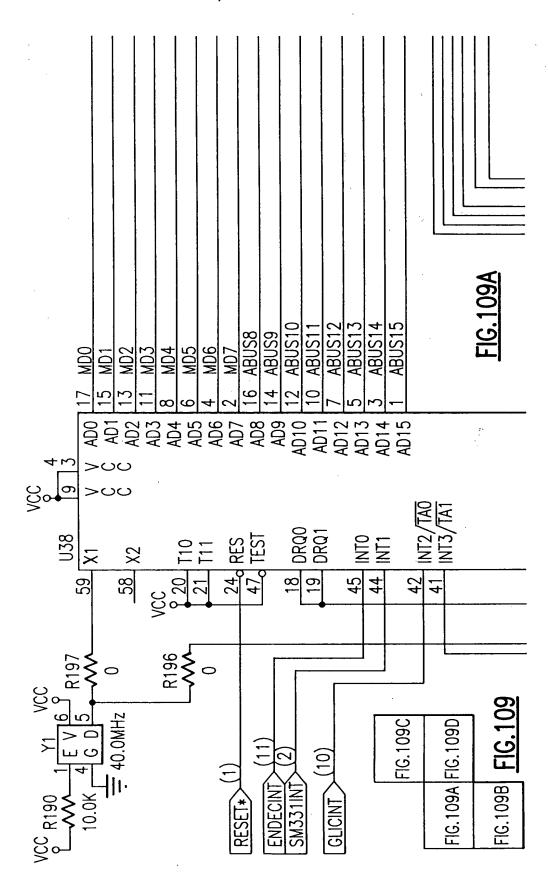
DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

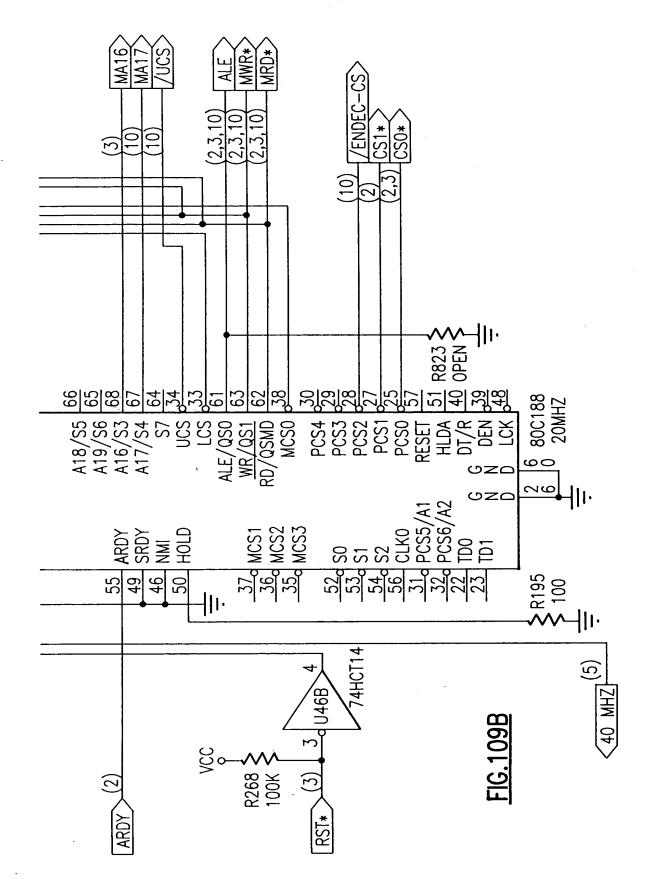
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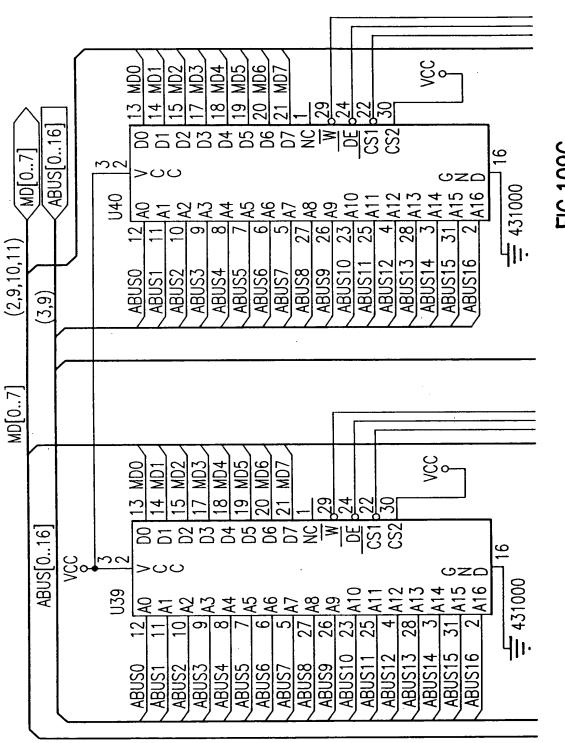


Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



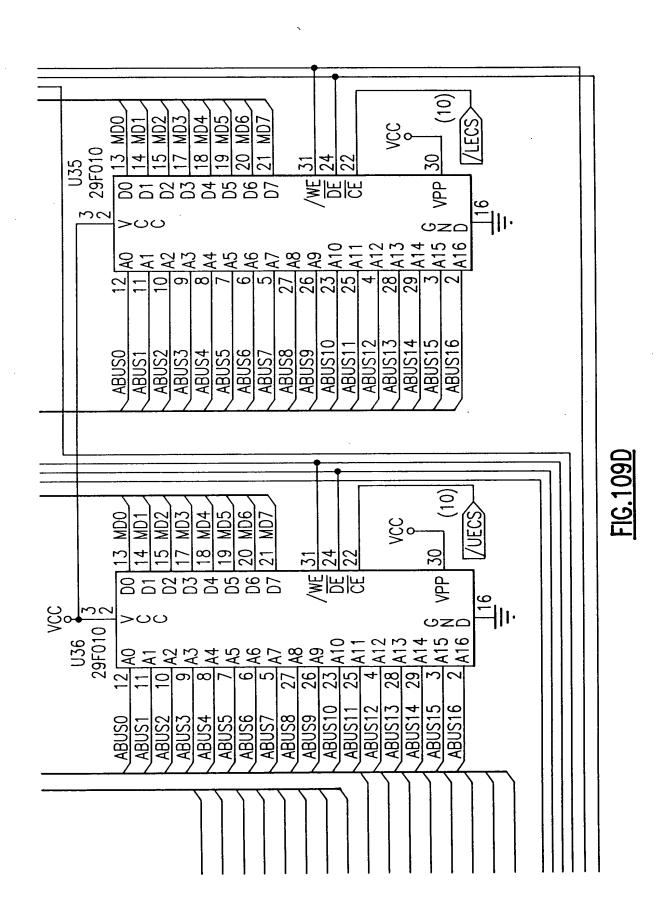
Applicant: Kurt W. Getreuer Application No.: 08/485,070

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Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



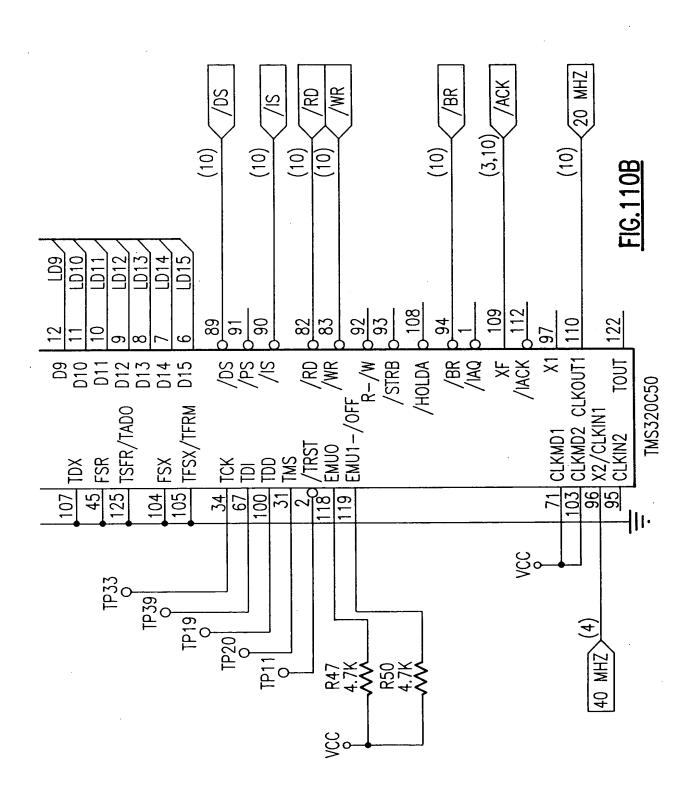
Applicant: Kurt W. Getreuer Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI 124/154 00 01 02 03 04 05 06 07 CLKR TCLKR CLKX TCLKX DR TDR 9 126 FIG. 110C FIG.110D స్టం FIG.110B NDEX DIRECTION FIG. 110A SERVO-RESET

Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL

DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

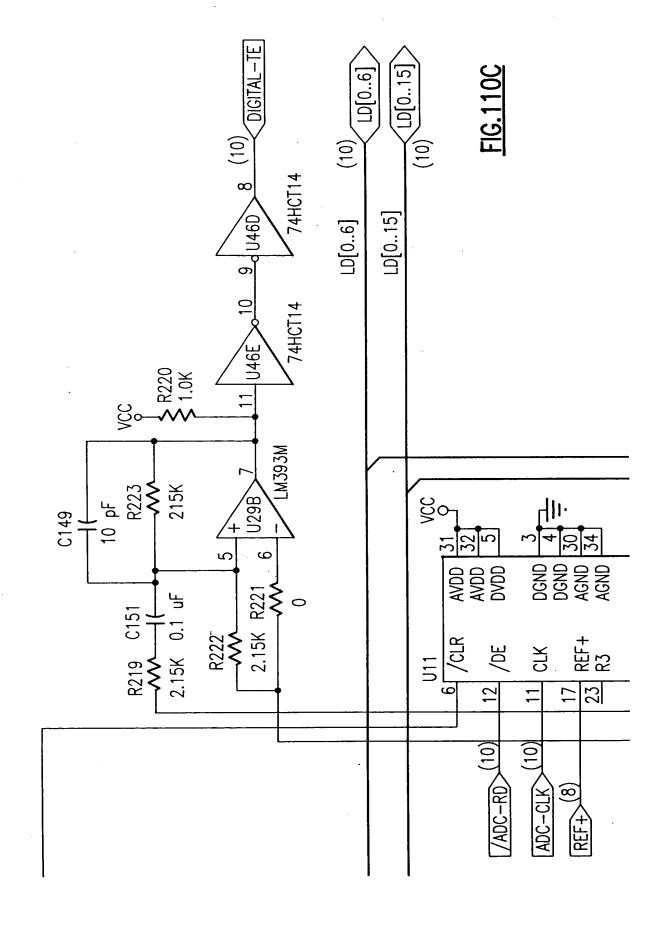
Docket No.: 951028(US)USC1X1X1D1 MMMI



DISC SYSTEM INCLUDING SAME Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

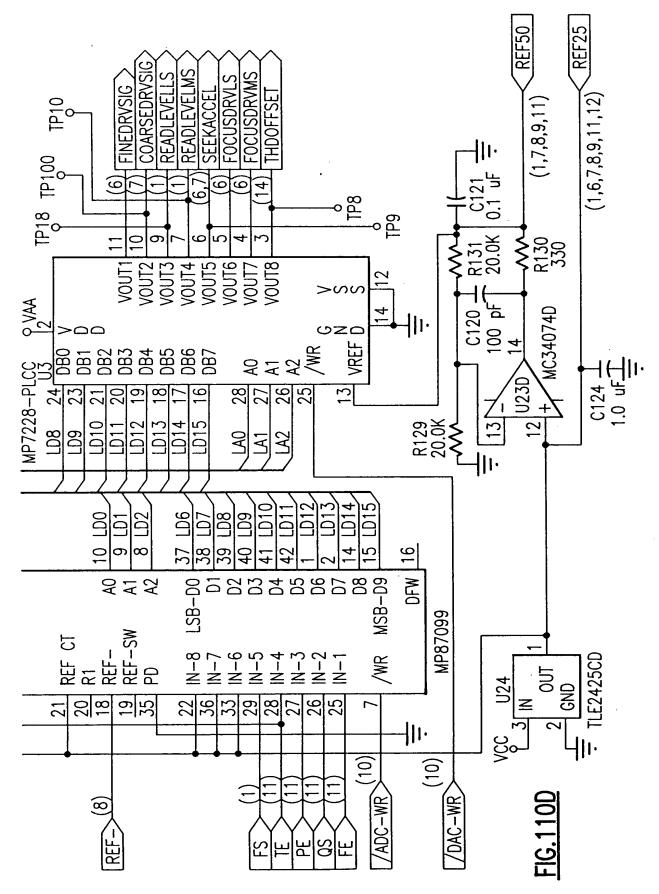
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Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

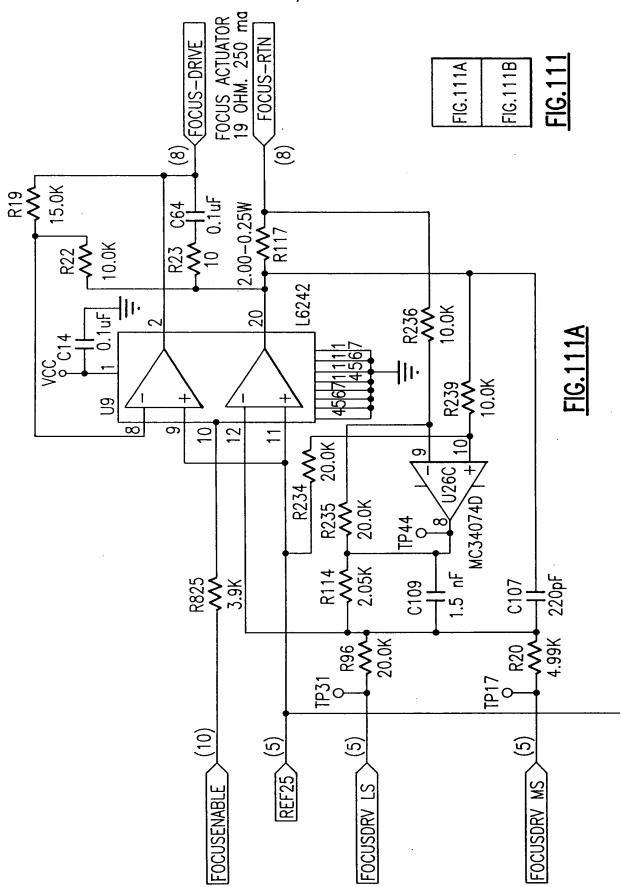
127/154



Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No. 108(485-070)

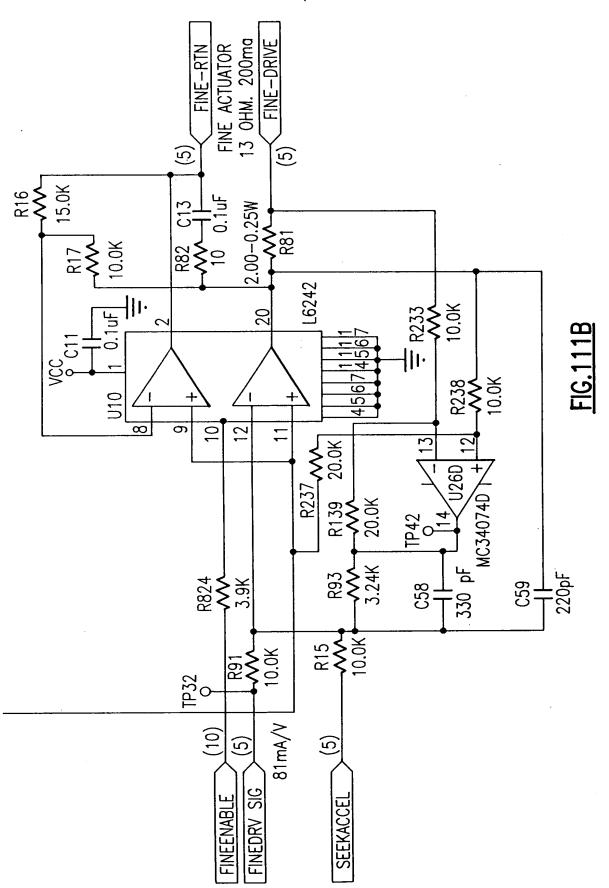
Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI





Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

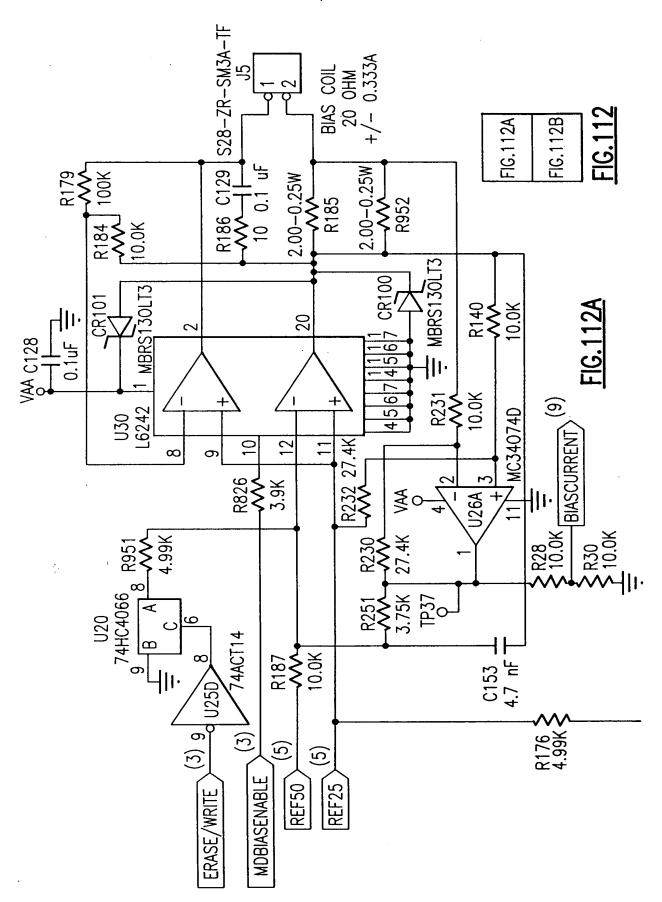
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Applicant: Kurt W. Getreuer

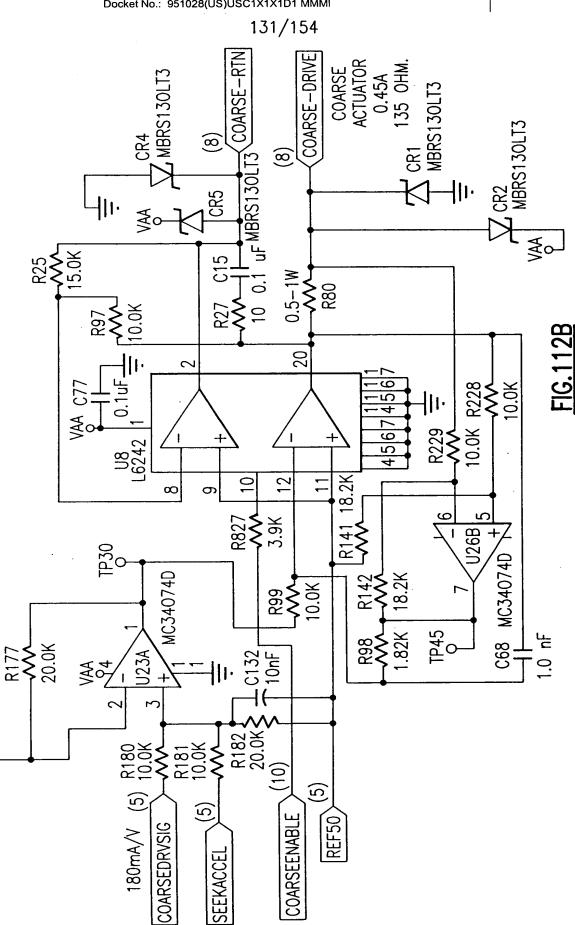
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

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DISC SYSTEM INCLUDING SAME

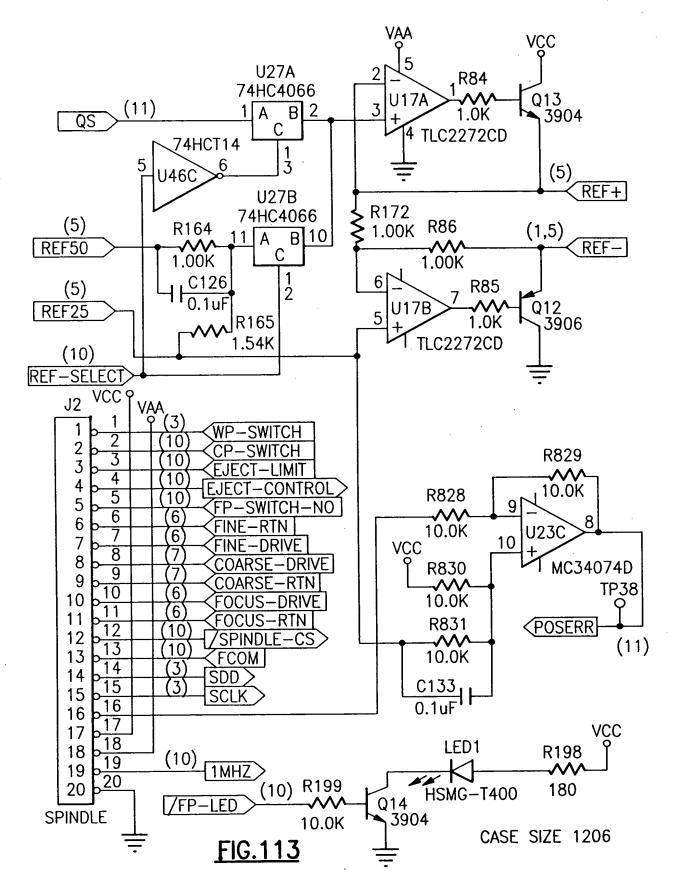
Applicant: Kurt W. Getreuer Application No.: 08/485,070



DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

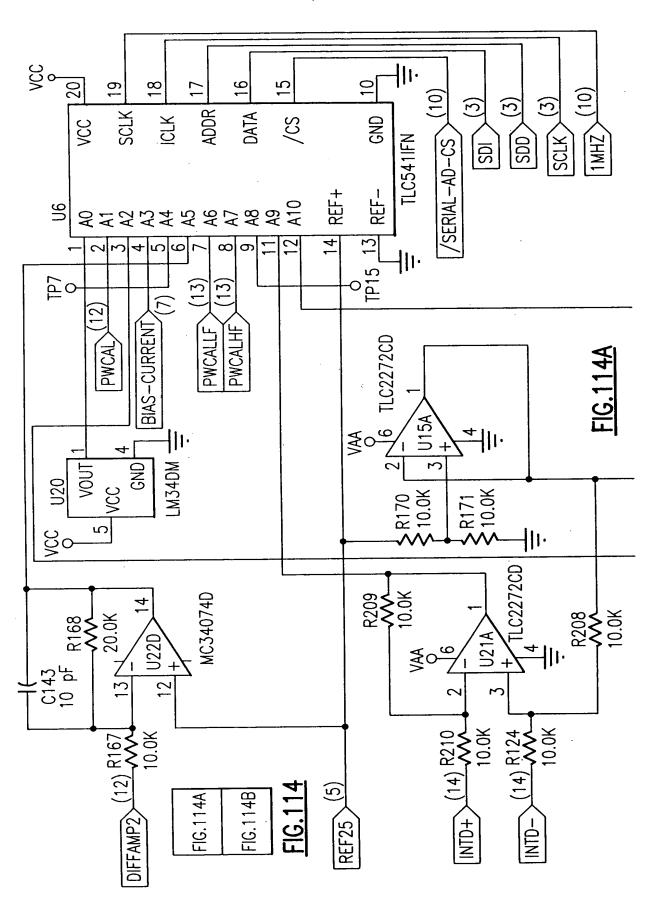
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Applicant: Kurt W. Getreuer

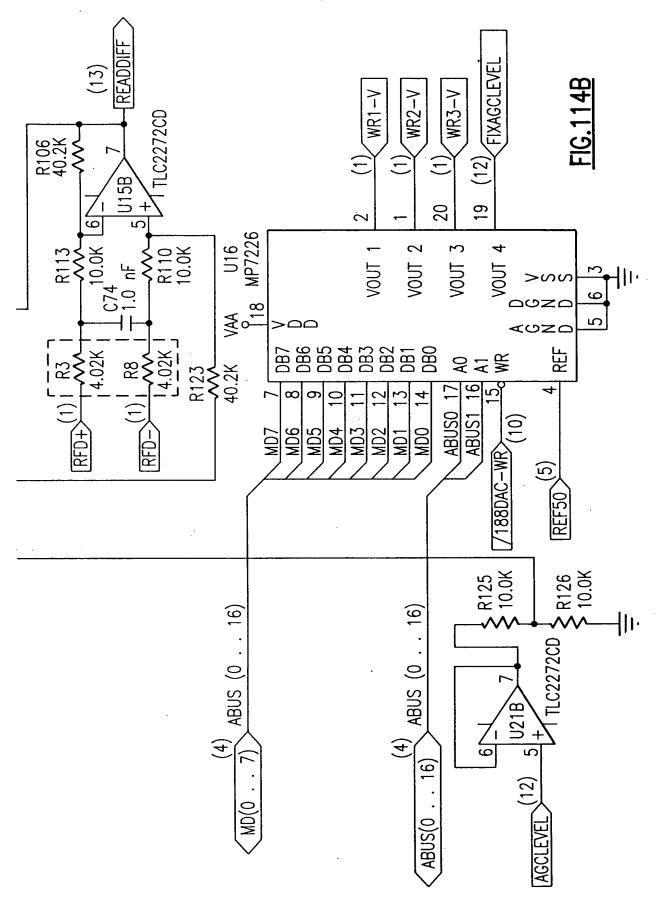
Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

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Application No.: 08/485,070

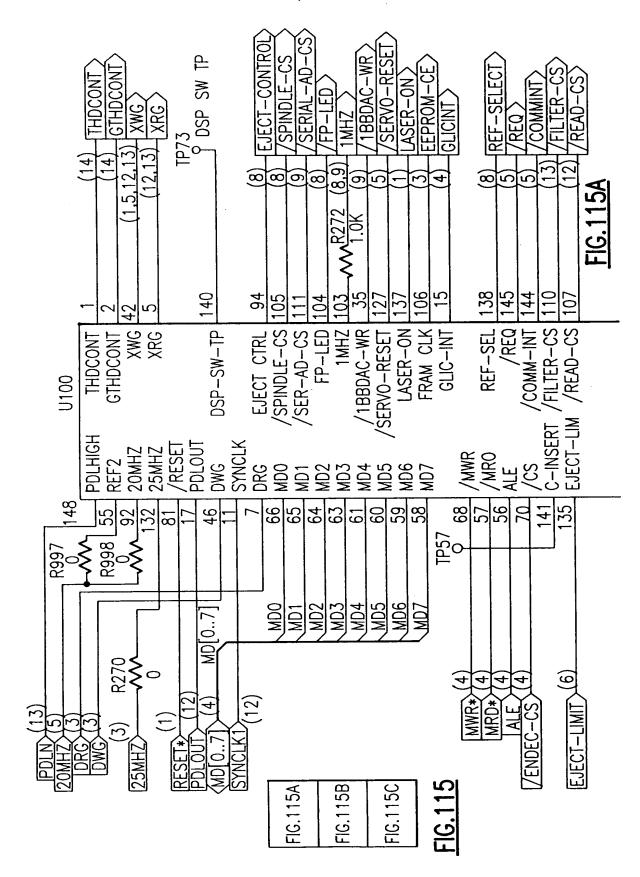
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DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

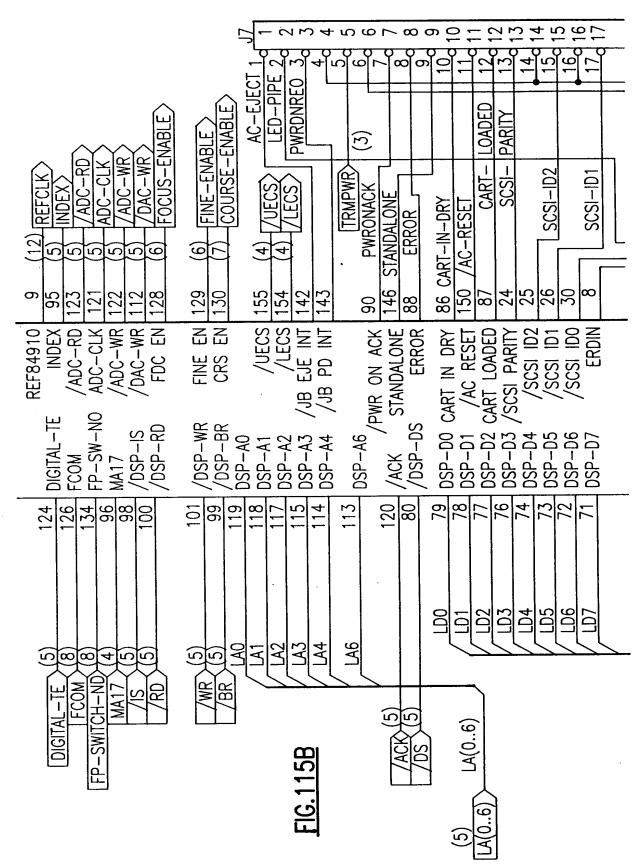
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DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

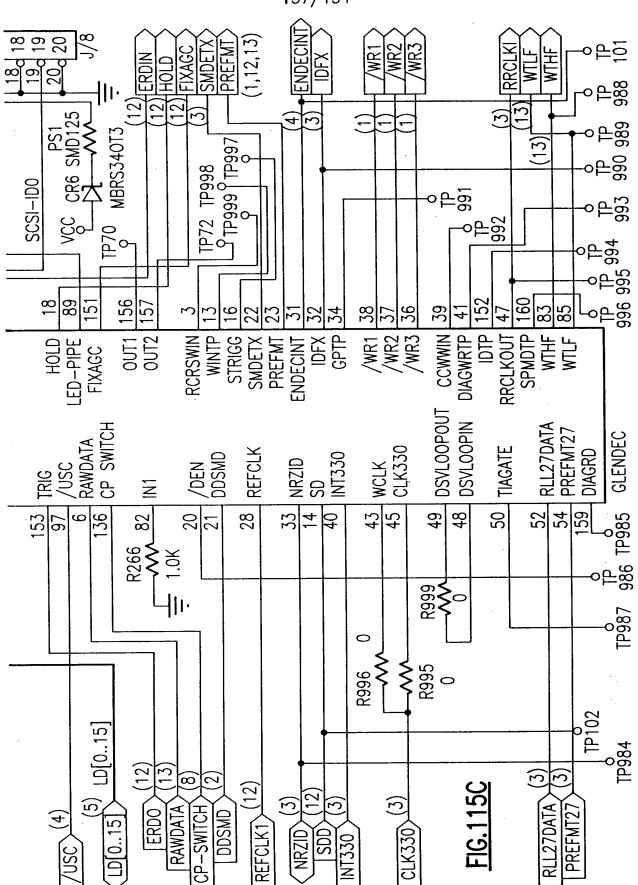
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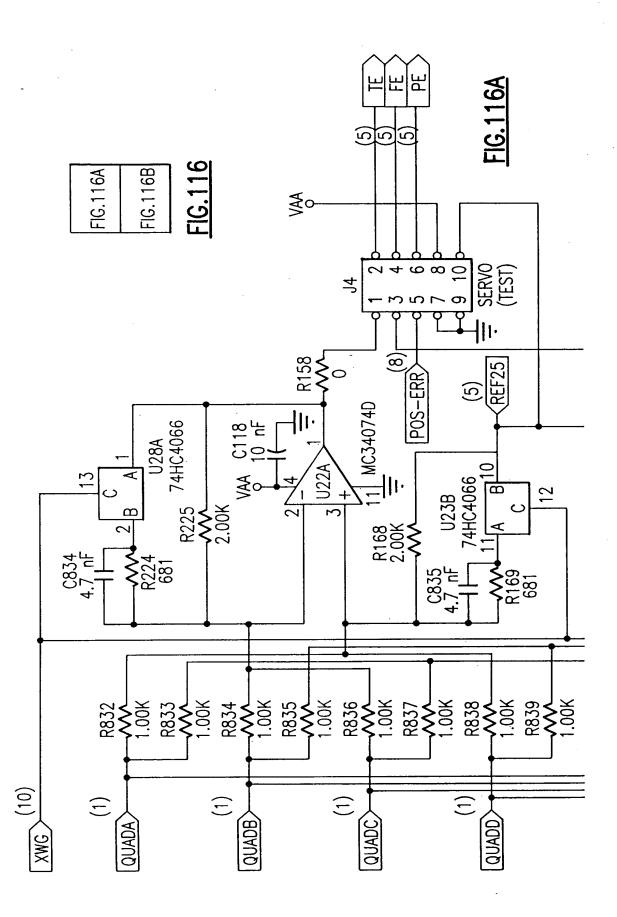
DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

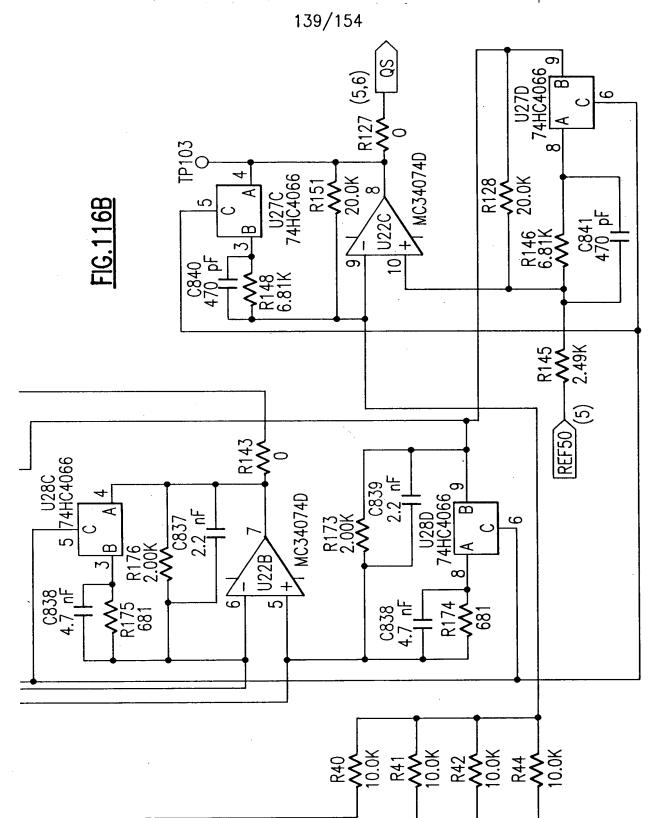




Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

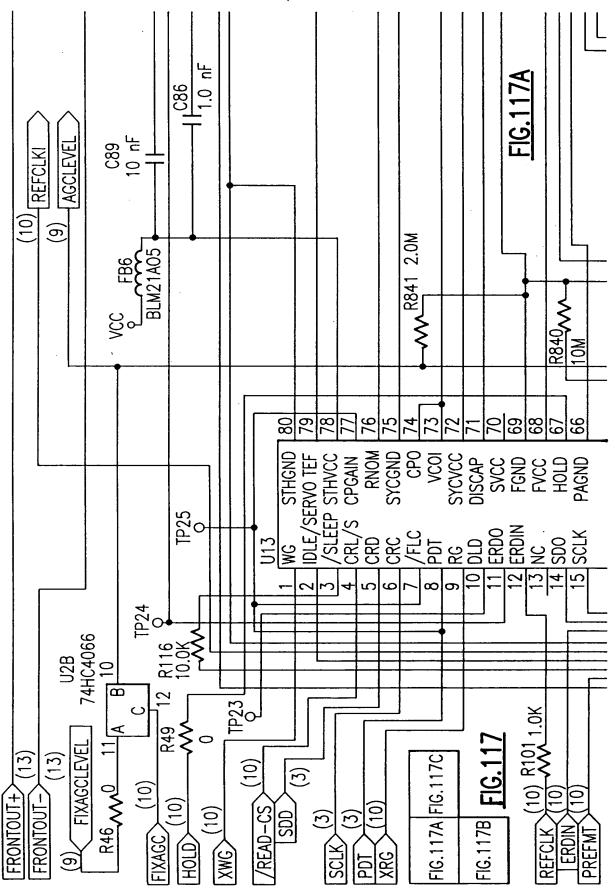


DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
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Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

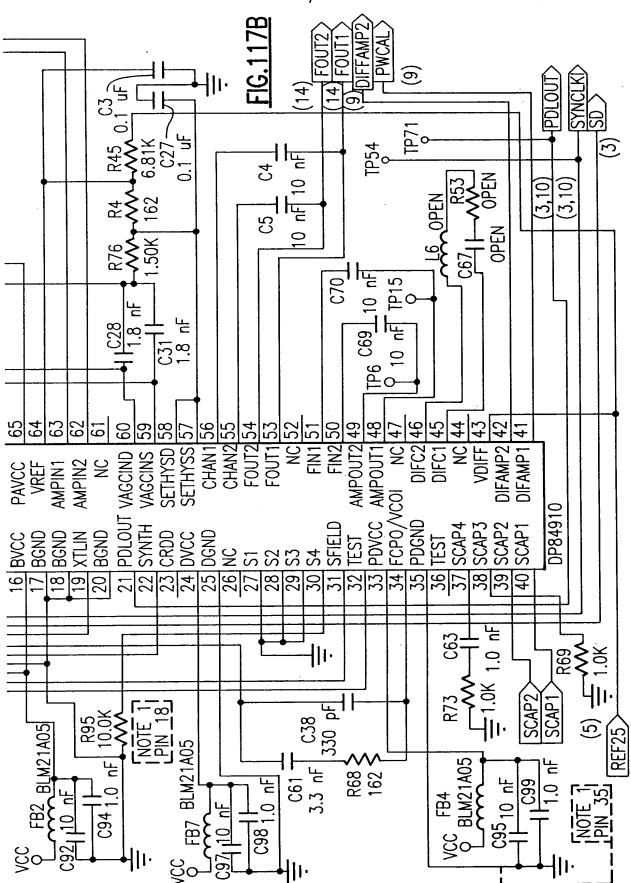




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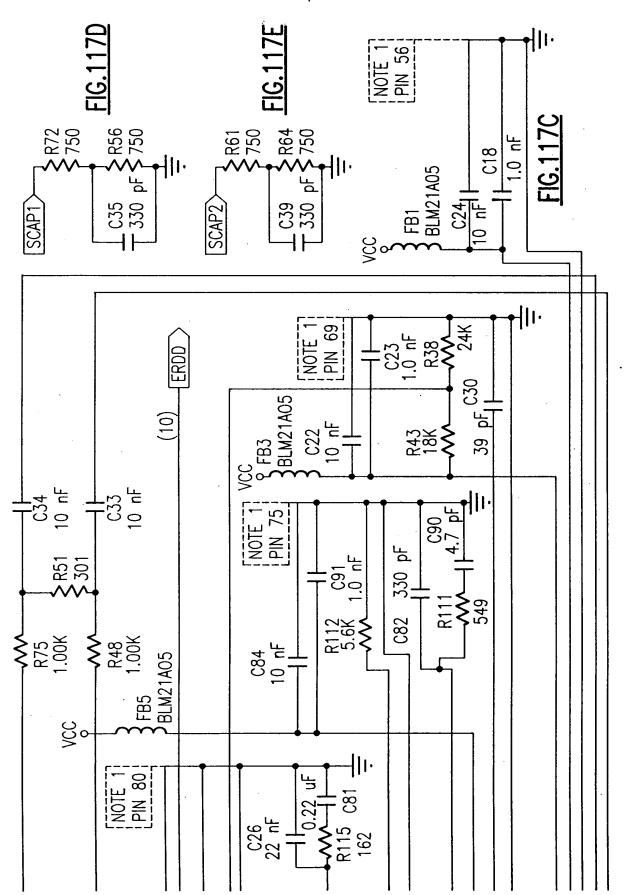
Applicant: Kurt W. Getreuer Application No.: 08/485,070

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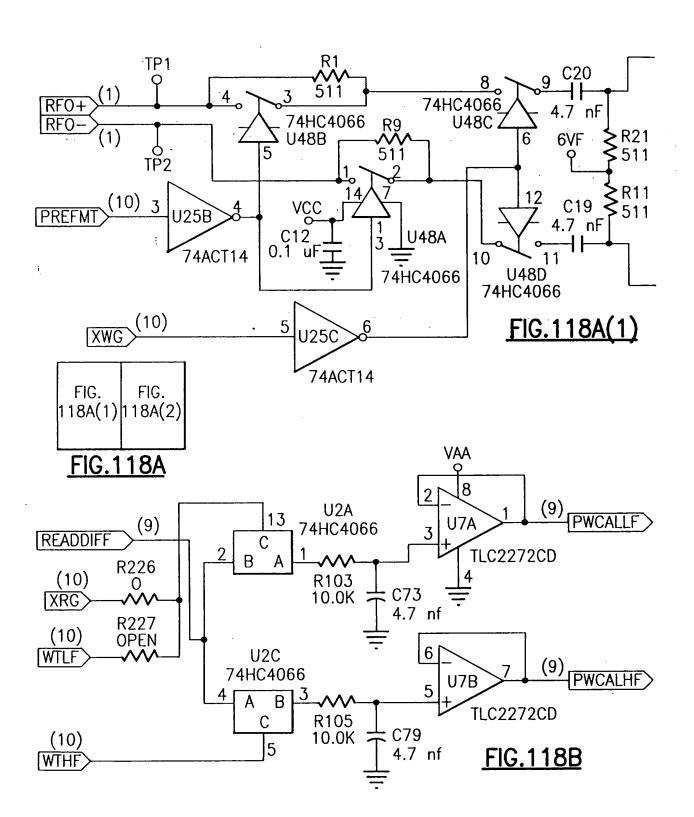
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

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DISC SYSTEM INCLUDING SAME Applicant: Kurt W. Getreuer Application No.: 08/485,070

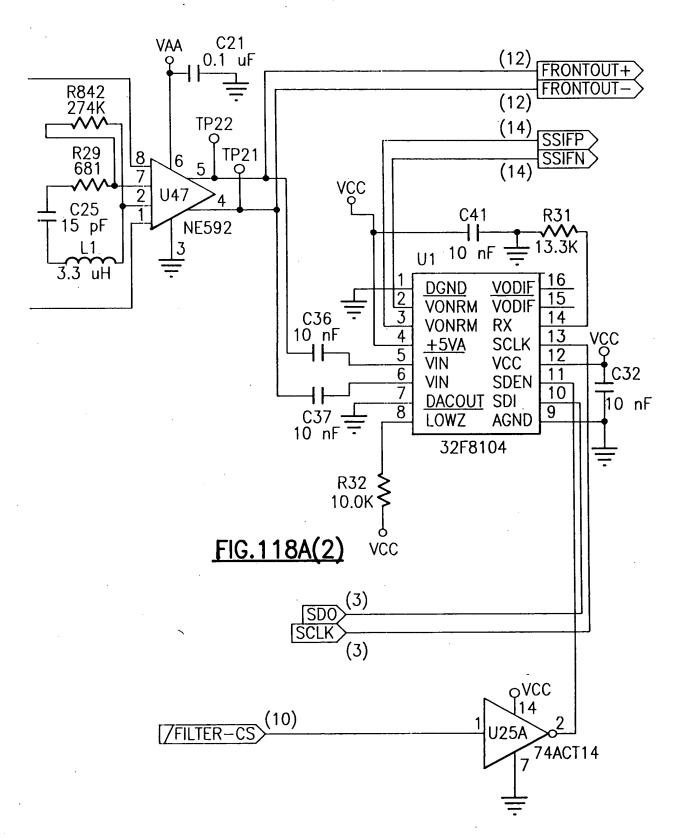
Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

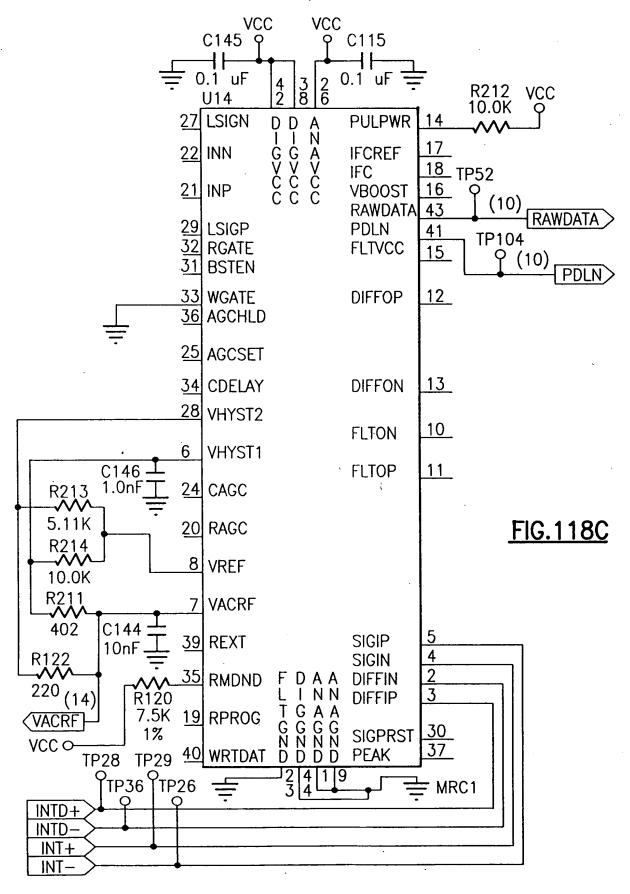
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Applicant: Kurt W. Getreuer

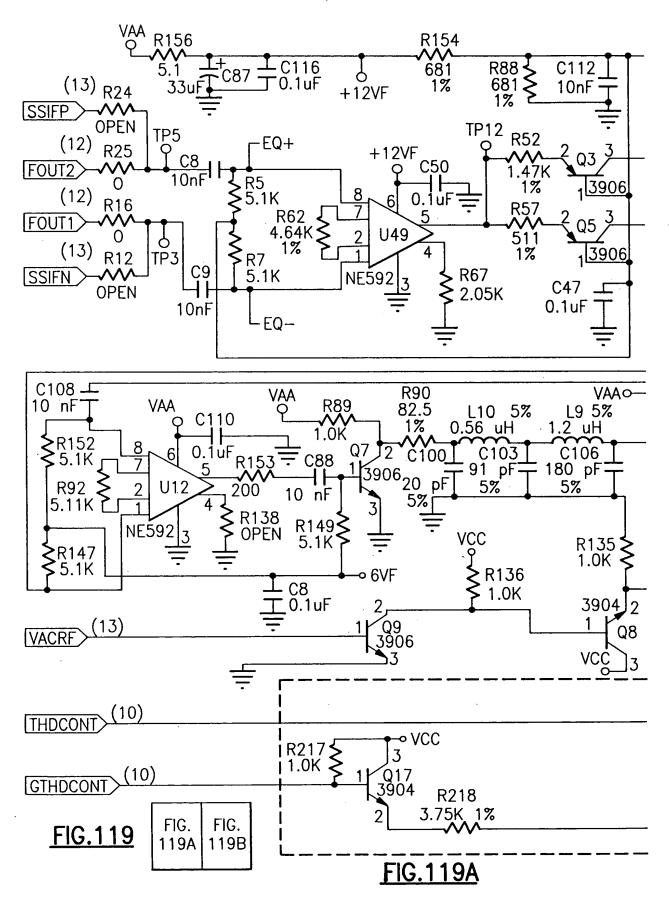
Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

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Applicant: Kurt W. Getreuer Application No.: 08/485,070

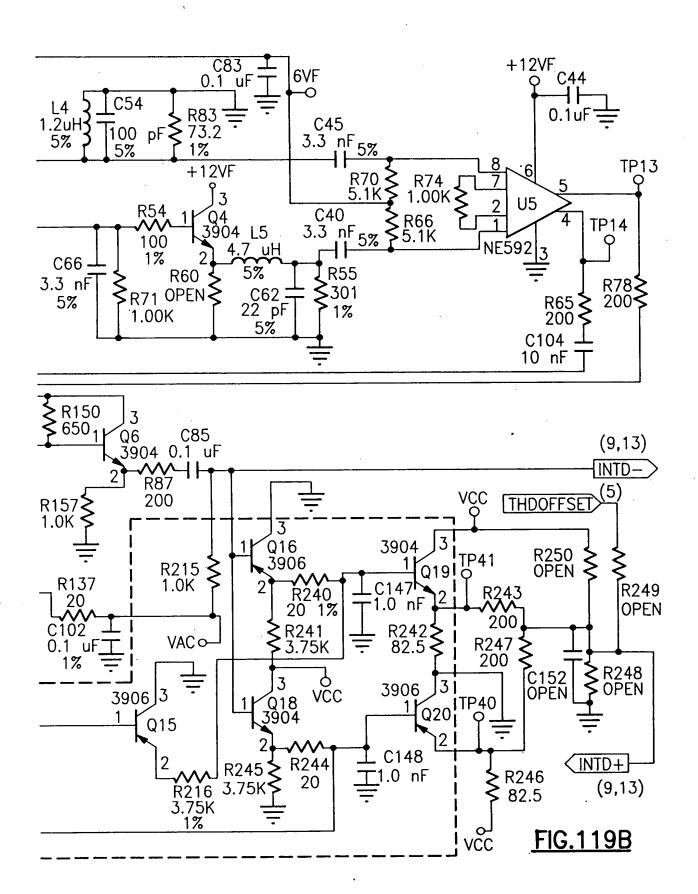
Docket No.: 951028(US)USC1X1X1D1 MMMI



DISC SYSTEM INCLUDING SAME

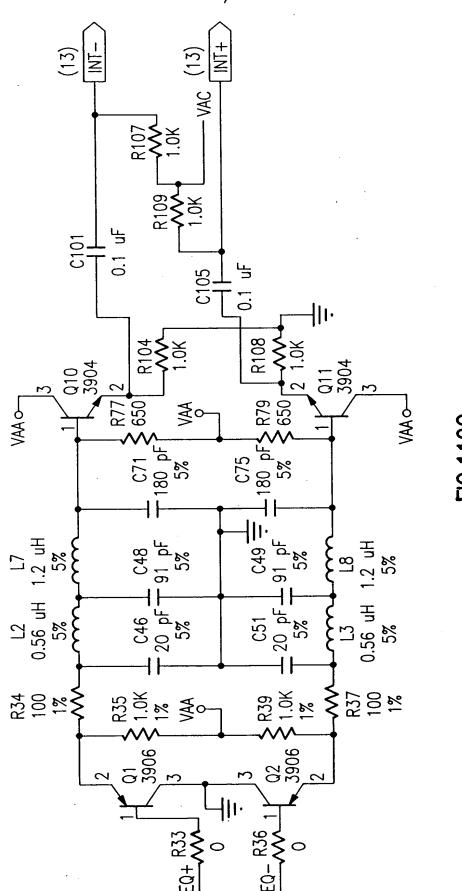
Applicant: Kurt W. Getreuer

Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI

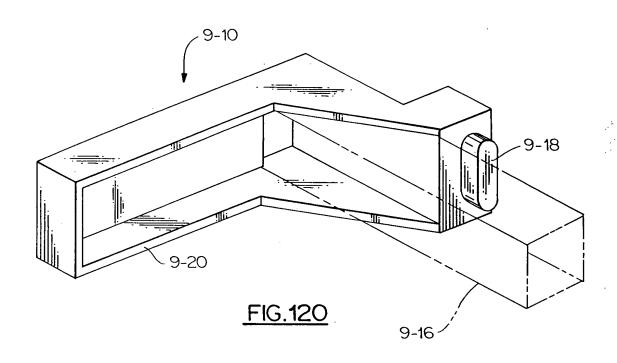
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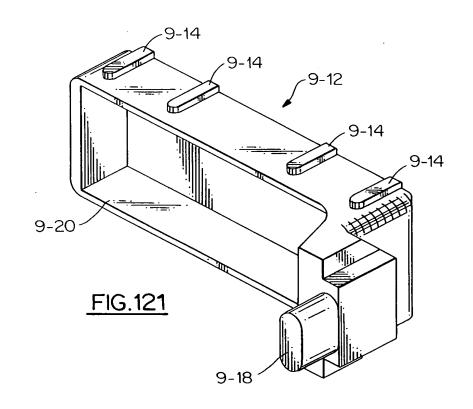


Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer
Application No.: 08/485,070

Docket No.: 951028(US)USC1X1X1D1 MMMI





DISC SYSTEM INCLUDING SAME

Applicant: Kurt W. Getreuer Application No.: 08/485,070

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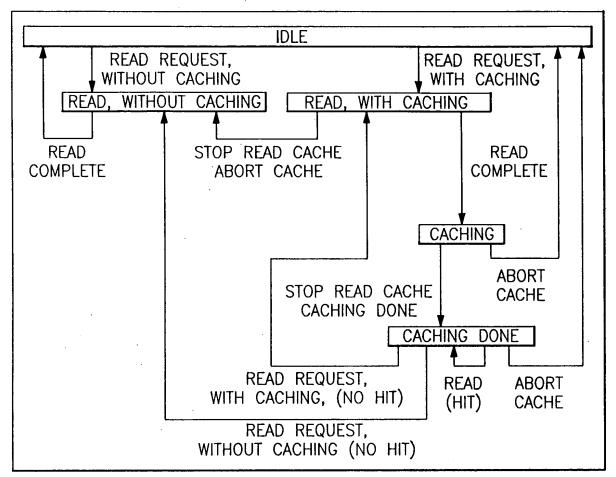


FIG. 122

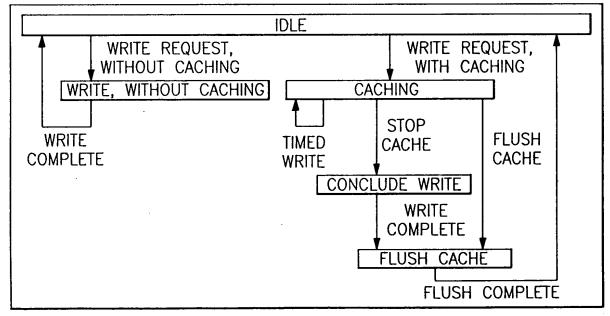
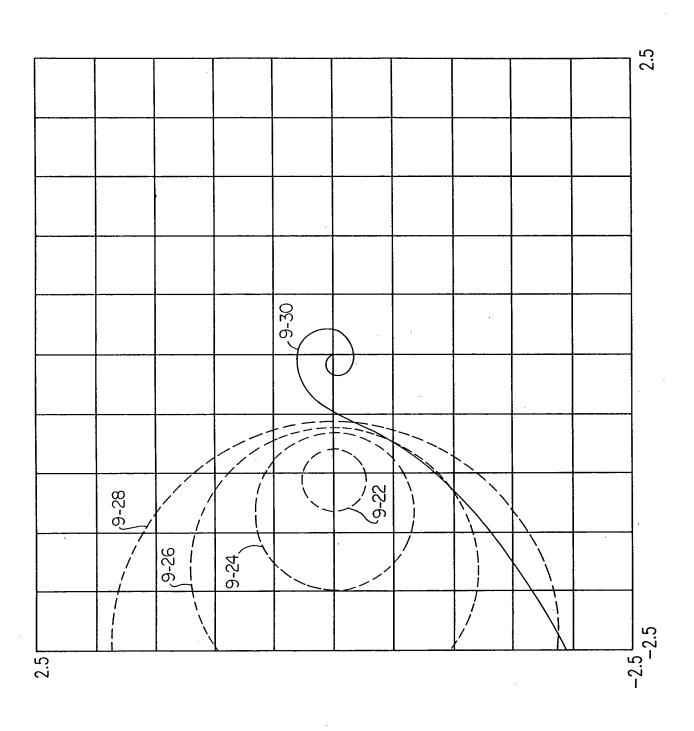


FIG. 123

Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. Getreuer
Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI



Title: METHOD AND APPARATUS FOR MOVING CARRIAGE ASSEMBLY FROM INITIAL POSITION TO TARGET POSITION AND OPTICAL DISC SYSTEM INCLUDING SAME
Applicant: Kurt W. 00.4655 027 Application No.: 08/485,070
Docket No.: 951028(US)USC1X1X1D1 MMMI 152/154 1 • 105 -9-34 1•104 1•104 (HZ) 天 9-36 .9-32 9-38, 1000 1000

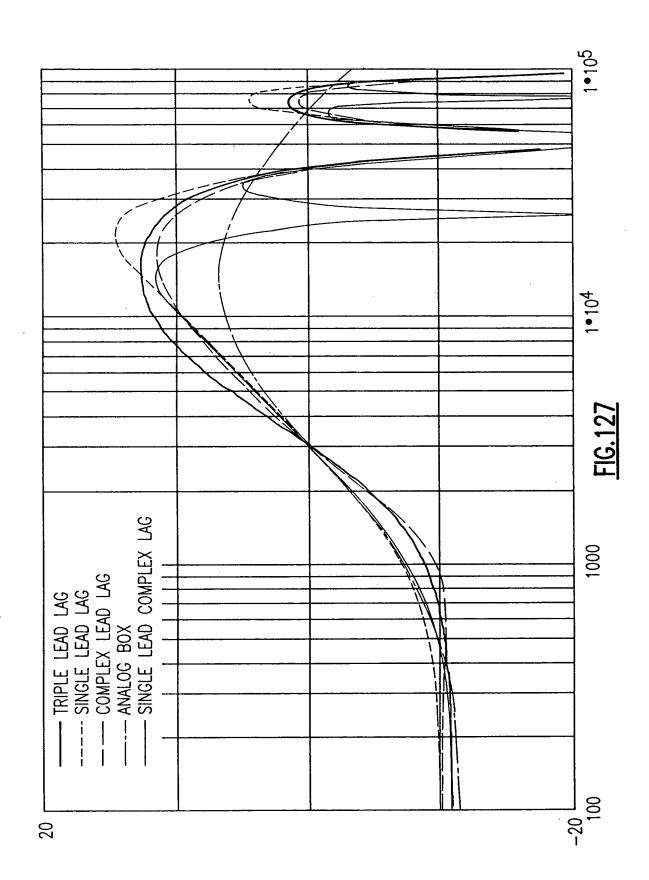
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φ(2·π·i· f<sub>K</sub>) φ 1(2·π·i· f<sub>K</sub>)

MAGN 1(2π·i·fK)

MAGN(2·π·i·fK)

Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI



Applicant: Kurt W. Getreuer Application No.: 08/485,070 Docket No.: 951028(US)USC1X1X1D1 MMMI

